



University of Delhi



92nd Annual Report

PART - I

2014-2015

92nd

Annual Report

2014-2015

Part-I



University of Delhi

Delhi

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UNIVERSITY OF DELHI

92nd ANNUAL REPORT

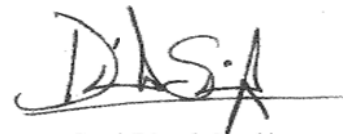
PREFACE

The University of Delhi, established in 1922, and rated as the premier university in India under several ranking systems, has continued to conserve its legacy and to also forge ahead with Innovations and Best Practices in higher education. It is a pleasure to present the 92nd Annual Report, largely covering the period from 1st April 2014 to 31st March 2015 during which substantial achievements have been noted.

The university was honored with the prestigious “Visitor’s Award 2015 for Innovation” from the President of India, for developing a rapid Tuberculosis Detection Kit. The DST PURSE grant received was again the highest in the country in the category of universities. The Innovation Projects, a unique programme of support for undergraduate colleges, has created a vibrant culture of research that is bringing in publications, startups, patents, industry interface and business incubation. The Cluster Innovation Centre with its range of courses has introduced new pedagogical practices that identify real life problems in India and seek solutions through hands-on projects. The documentation of innovative methodology and outcomes is being undertaken systematically through e-journals.

Despite the large enrolment of over 6 lakh students, the University has focused on different needs of different people and imparted academic and logistical support in many ways. Inclusive principles of education have ensured an outreach to all, especially to students with disability and those from disadvantaged backgrounds. Popular programmes such as the Gyanodaya Express- “College on Wheels”, which conducted projects on the train and in eight states of the north-east this year, promoted concepts of heritage, diversity and experiential learning for almost 1000 participants. Antardhvani, Delhi University’s academic and cultural festival, showcased good practices across departments and colleges and awarded the best. Footfalls crossed 1,50,000. The Sound and Light show, “University of Delhi: A Legend” delving into the history of 1857-1947 was presented again for students and others by popular demand for five days, and a special evening was reserved for the Alumni. Sports, NCC, NSS, gender sensitization, national and international MoUs, are all a part of education here. Such mass outreach programmes disseminate positive messages about integrated learning, social values, ethics and pride in the nation.

Drawing students and faculty from all over India, the University of Delhi is privileged to contribute to the intellectual growth of the country. It is with pleasure that the 92nd Annual Report is presented.



(Prof. Dinesh Singh)
Vice-Chancellor, University of Delhi

EDITORIAL COMMITTEE

The 92nd Annual Report of the University of Delhi for the year ending 31st March 2015 is presented here. The Report consists of two parts: Part-I contains information about the University of Delhi's academic progress including Faculties, Departments, Centres and Colleges, Infrastructural Developments, and Finance. Part-II carries Information and Data.

The Editorial Board, which prepared this Report, comprised of the following members:-

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The Report presents the highlights of the activities and achievements of the University of Delhi during the year 2014-2015 (1st April 2014 to 31st March 2015).

CONTENTS

ACHIEVEMENTS OF THE YEAR1

The Ranking of the University of Delhi; Convocation; Innovations; Visitor's Award (President of India) 2015; Innovation Projects 2013-15; Cluster Innovation Centre; Foundation Day; Research and Development Grant; Research projects 2014-15; DU e-journals; Sound and Light show; Antardhvani Academic and Cultural Festival; Gyanodaya Express, a College on Wheels; UGC grants; Research and Development; DST PURSE Grant; MOUs and Agreements with 9 Foreign Universities; Awards/Honours; Awards/Fellowships in Medical Sciences; University Lecture Series; Curriculum change: Introduction of new post graduate course; Seminars/Conferences/Workshops; Infrastructure

Officers of the University13

Student Enrolment15

General Facilities and Programmes

Culture Council15

Dean Students' Welfare15

Delhi University Community Radio18

Delhi University Library System19

Delhi University Social Centre Co-Ed School.....23

Delhi University Sports Council24

Delhi University Women's Association25

Directorate of Hindi Medium Implementation26

Foreign Students Registry27

Gandhi Bhawan.....28

Garden Committee29

University Guest House30

International Guest House.....31

National Cadet Corps32

National Service Scheme32

Non-Collegiate Women's Education Board33

Office of Alumni Affairs34

Research Council34

University Employment Information & Guidance Bureau38

University Press38

Academic Centres

Agricultural Economics Research Centre	38
Centre for Detector and Related Software Technology	40
Centre for Entrepreneurship and Career Oriented Programme	41
Centre for Genetic Manipulation of Crop Plants	41
Centre for Inter-Disciplinary Studies for Mountain & Hill Environment.....	43
Centre for Professional Development in Higher Education.....	45
Centre for Science Education and Communication	46
Cluster Innovation Centre	47
Computer Centre	49
D.S. Kothari Centre for Science, Ethics and Education.....	52
Developing Countries Research Centre	53
Institute of Informatics and Communication	55
Institute of Lifelong Learning	56
Inter-Disciplinary Centre for Plant Genomics	58
University Science Instrumentation Centre	59
Women's Studies and Development Centre	60
WUS Health Centre	62

DEPARTMENTS

Faculty of Arts

Arabic.....	62
Buddhist Studies	64
English	67
Germanic and Romance Studies	71
Hindi	73
Library and Information Science	74
Linguistics.....	77
Modern Indian Languages and Literary Studies	80
Persian.....	81
Philosophy	84
Psychology.....	86
Punjabi	88
Sanskrit	90
Urdu	93

Faculty of Education

Education	96
-----------------	----

Faculty of Law

Campus Law Centre.....	99
Law Centre-I.....	102
Law Centre-II.....	105

Faculty of Sciences

Anthropology	107
Botany	111
Chemistry	115
Dr. B. R. Ambedkar Centre for Biomedical Research.....	123
Environmental Studies	130
Geology.....	134
Physics and Astrophysics.....	136
Zoology	141

Faculty of Social Sciences

African Studies.....	145
Adult, Continuing Education and Extension.....	147
East Asian Studies.....	148
Economics.....	149
Geography.....	154
History	157
Political Science.....	159
Social Work	162
Sociology	164

Faculty of Mathematical Sciences

Computer Science	167
Mathematics.....	168
Operational Research.....	171
Statistics	174

Faculty of Management Studies

Business Management and Industrial Administration	174
---	-----

Faculty of Medical Sciences

Anatomy (LHMC)	178
Anatomy (UCMS).....	181
Anesthesiology and Intensive Care (MAMC)	183
Biochemistry (LHMC).....	187
Biochemistry (UCMS)	187
Biochemistry (VPCI)	189
Cardiology (GBPH)	190
Community Medicine (MAMC).....	193
Community Medicine (LHMC)	194
Community Medicine (UCMS)	194
Dermatology & STD (MAMC).....	197
Microbiology (UCMS).....	200
Microbiology (MAMC)	203
Maulana Azad Medical College.....	208
Obstetrics & Gynaecology (MAMC).....	210
Obstetrics & Gynaecology (UCMS).....	212
Ophthalmology (UCMS)	218
Ophthalmology (MAMC)	219
Ophthalmology (LHMC)	223
Orthopaedics (UCMS)	225
Orthopaedics (MAMC)	227
Otorhinolaryngology (UCMS)	230
Paedodontics & Preventive Dentistry (UCMS)	231
Pathology (MAMC).....	232
Pathology (UCMS)	234
Pediatrics (MAMC)	238
Pediatrics Surgery (MAMC).....	246
Pharmacology (MAMC)	248
Pharmacology (LHMC)	251
Physiology (UCMS).....	252
Physiology (MAMC).....	253

Psychiatry (GBPH)	254
Psychiatry (G.B.Pant Institute of PG Medical Education and Research)	257
Psychiatry (UCMS)	258
Pulmonary Medicine (VPCI)	259
University College of Medical Sciences	261
Vallabhbhai Patel Chest Institute	264
Radiodiagnosis (MAMC).....	267
Radiodiagnosis (UCMS).....	268
Surgery (MAMC).....	269

Faculty of Inter-Disciplinary and Applied Sciences

Biochemistry	271
Biophysics.....	275
Electronic Science.....	277
Genetics	279
Microbiology.....	284
Physical Education & Sports Science	286
Plant Molecular Biology	289

Faculty of Technology

Instrumentation and Control Engineering.....	293
Mechanical Engineering	295
Electronics and Communication Engineering.....	298
Department of Production and Industrial Engineering	302

Faculty of Music and Fine Arts

Music	304
-------------	-----

Faculty of Applied Social Science and Humanities

Business Economics.....	306
Slavonic & Finno-Ugrian Studies	307

Faculty of Commerce and Business

Commerce	310
Financial Studies	319

COLLEGES

Acharya Narendra Dev College	321
Aditi Mahavidyalaya.....	324
Ahilya Bai College of Nursing.....	328
Amar Jyoti Institute of Physiotherapy	328
Atma Ram Sanatan Dharma College	330
Ayurvedic & Unani Tibbia College.....	333
Bhagini Nivedita College.....	334
Bharati College	335
Bhaskaracharya College of Applied Sciences	340
Bhim Rao Ambedkar College.....	343
College of Vocational Studies.....	345
College of Art	347
College of Nursing, Army Hospital (Research and Referral).....	348
Daulat Ram College.....	349
Deen Dayal Upadhyaya College	352
Delhi College of Arts & Commerce	356
Delhi Institute of Pharmaceutical Sciences and Research	358
Deshbandhu College	361
Durgabai Deshmukh College of Special Education (Visual Impairment).....	363
Dyal Singh College.....	365
Dyal Singh College (Evening).....	367
Gargi College.....	368
Hans Raj College	371
Hindu College	374
Holy Family College of Nursing	376
Indira Gandhi Institute of Physical Education & Sports Sciences.....	378
Indraprastha College for Women.....	383
Institute of Home Economics.....	386
Institute of Human Behaviour & Allied Sciences	389
Janki Devi Memorial College	396
Jesus and Mary College	398
Kalindi College	402
Kamala Nehru College.....	404
Keshav Mahavidyalaya.....	406
Kirori Mal College.....	409

Lady Irwin College	412
Lady Shri Ram College for Women	416
Lakshmibai College	423
Maharaja Agrasen College.....	427
Maharshi Valmiki College of Education	431
Maitreyi College	433
Mata Sundri College for Women	434
Maulana Azad Institute of Dental Sciences	437
Miranda House.....	440
Motilal Nehru College	445
Motilal Nehru College (Evening)	448
Nehru Homeopathic Medical College & Hospital	450
Netaji Subhash Institute of Technology.....	451
P.G.D.A.V. College	454
P.G.D.A.V. College (Evening)	456
Pt. Deendayal Upadhyaya Institute for the Physically Handicapped.....	457
Rajdhani College.....	460
Rajkumari Amrit Kaur College of Nursing	462
Ram Lal Anand College.....	463
Ram Lal Anand College (Evening) (Aryabhatta College).....	464
Ramanujan College.....	466
Ramjas College	468
Satyawati College	470
Satyawati College (Evening)	470
Campus of Open Learning	472
School of Open Learning	473
Shaheed Bhagat Singh College	474
Shaheed Bhagat Singh College (Evening)	477
Shaheed Rajguru College of Applied Sciences for Women	479
Shaheed Sukhdev College of Business Studies	482
Shivaji College.....	486
Shri Ram College of Commerce	489
Shyam Lal College.....	491
Shyam Lal College (Evening).....	492
Shyama Prasad Mukherji College	494
Sri Aurobindo College	497

Sri Aurobindo College (Evening)	498
Sri Guru Gobind Singh College of Commerce	500
Sri Guru Nanak Dev Khalsa College	502
Sri Guru Teg Bahadur Khalsa College	503
Sri Venkateswara College	506
St. Stephen's College	512
Swami Shraddhanand College	515
Vivekananda College	516
Zakir Husain Delhi College	517
Zakir Husain Post Graduate College (Evening).....	521

University Hostels/Halls

Ambedkar-Ganguly Students House for Women	523
Aravali Post Graduate Men's Hostel	523
Central Institute of Education	523
D.S. Kothari Hostel.....	524
Department of Social Work Hostel.....	524
Geetanjali Hostel.....	524
Gwyer Hall.....	524
International Students House	524
International Students House for Women	525
Jubilee Hall	525
Mansarover Hostel	525
Meghdoot Hostel.....	526
North Eastern Students House for Women	526
P.G. Men's Hostel.....	526
Rajiv Gandhi Hostel for Post Graduate Girls.....	527
Saramati Post Graduate Men's Hostel	527
Under Graduate Hostel for Girls.....	527
University Hostel for Women.....	527
V.K.R.V. Rao Hostel	528
WUS University Hostel	528
University Finance	529

ACHIEVEMENTS OF THE YEAR

The University of Delhi has the privilege of a venerable legacy as an institution dating back to 1922. Established by an Act of Parliament, it is guided by the statutes, ordinances, rules and regulations that are stipulated. As one of the largest universities in India with more than 6 lakh students in the formal and non-formal/ distance education mode, the administrative structures have to be supple and robust at handling a variety of demands and expectations. The University of Delhi, in keeping with its traditions and development, has moved from strength to strength. This is reflected in the achievements and signposts established by the University during the past one year of reporting. Brief overviews of the noteworthy achievements of the year 2014-2015 (1 April 2014- 31 March 2015) are as follows:

The Ranking of the University of Delhi

- The University of Delhi has been placed as the Number One University in India for the last four consecutive years in the India Today-Nielsen survey.
- Ranked 97 in Youth Incorporated, Education Times and Rediff.com Global University Rankings 2014.
- Ranked 81 in the QS Asian University Rankings of 2014.
- Ranked 45 in the Best Global Universities in Asia-US News and World Report 2014.
- Ranked 39 in QS BRICS.
- Ranked 421 in QS World, 1st among Indian Universities.

In addition to above, the Department of Social Work, University of Delhi has been ranked as number two among all professional educational institutions offering Social Work education in the country by the Outlook Drashti Survey 2015.

Convocation

The University organized its 92nd Annual Convocation on 30 May 2015 in which degrees were conferred upon 701 PhD candidates and 36 D.M. /M.Ch. candidates. 173 medals and prizes were given to the meritorious students. The Convocation Address was delivered by the Chief Guest, Prof. M.C.Misra, Director, All India Institute of Medical Sciences, New Delhi. Professor Dinesh Singh, Vice Chancellor, University of Delhi, presided over the function.

Innovations

1. Visitor's Award (President of India) 2015 for Innovation

The University of Delhi received the prestigious "Visitor's Award 2015 for Innovation", given to Profs. Vijay K. Chaudhary & Amita Gupta (Department of Biochemistry) for developing a rapid Tuberculosis Detection Kit.

2. Innovation Projects 2013-15

The scheme of Innovation Projects, a highly successful venture of the University of Delhi is a unique scheme of promoting undergraduate research in colleges and inculcating innovative thinking among students. 239 research projects by 2500 college students and 750 faculty members of colleges of the

University have shown promising outcomes that have resulted in 112 research publications, 9 books and 6 patents. Projects numbering 27 were shortlisted for interaction with Industry at the University-Industry Interface at the Innovation Plaza at Antardhvani festival 2015 and have received the award for Best Innovative Ideas. Projects numbering 42 won the award for Best Displays in 8 broad themes- Digital World, Scientific Arena, Cultural Diversity, Economic Development, Business Ideas, Environmental Issues, Social Welfare and Health Concerns.

3. Cluster innovation Centre

The Cluster Innovation Centre (CIC) is furthering its objective of fostering an ecosystem of innovation and connecting research with application for the benefit of society.

It is successfully offering

(i) M.Sc. (Mathematics Education). This course has received financial assistance from UGC for the Meta-University programme with Jamia Millia Islamia. (ii) B.Tech. (IT & Mathematical Innovations). (iii) B.A. Hons. (Humanities & Social Sciences).

- Cluster Innovation Centre has recently signed an MoU with TATA Power Delhi Distribution Limited (TPDDL) for solving problems in areas of demand automation, data analytics, advanced metering infrastructure.
- Constructed an affordable 3-D printer that costs less than 1/10th of the market price of about Rs. 2 lakhs.
- Under Technology Business Incubator (TBI), 7 startups are being incubated at CIC.
- Under Hub & Spoke model, Cluster Innovation Centre has started a Design Innovation Centre (DIC) along with School of Planning and Architecture (SPA), Jamia Millia Islamia (JMI) and Islamic University of Science and Technology (IUST), Srinagar. It is a MHRD sponsored project.
- Cluster Innovation Centre is jointly working with Ministry of Railways, Government of India towards development of a Train Punctuality Index (TPI) and real-time monitoring system on measuring train network performance using IT and mathematical modeling.
- DUCIC e-Business Circuit, a joint collaboration of Cluster Innovation Centre, PHD Chamber of Commerce and Industries and IamSMEofIndia initiated IT Maha Abhiyaan.
- 15 students (40%) of First batch of B. Tech. (IT and Mathematical Innovations) have been offered jobs by the companies where they carried out internships during their coursework. More than 8 students (<20%) have initiated their own start-ups and the rest have opted for higher education.
- Under an MoU with Indian Institute of Technology, Bombay, on e-Yantra, Cluster Innovation Centre is acting as Nodal Centre (NC) to coordinate Robotic activities in 20 institutes/colleges in Delhi and NCR region including training of teachers. This project of e-Yantra is funded by MHRD.
- Cluster Innovation Centre has entered into an agreement with NTPC Limited.
- Office of Principal Scientific Advisor (PSA) to the Government of India has funded a project on “Establishing research based practices to identify and mentor gifted students in Mathematics and Science”.
- Providing linkage with a village and/or an urban slum/low income area, CIC has worked in such areas so as to focus on solving local problems. This includes working on water crisis and gender sensitization at Kusumpur Pahari, and providing transportation solutions for Jagatpur Village in Burari, Delhi.

Foundation Day

The University of Delhi celebrated its 92nd Foundation Day on 1 May 2014. Chief Guest, Former teacher and eminent jurist Shri. P. P.Rao, Delhi, unfurled the insignia purple flag. Shri. P.P. Rao, was conferred the ‘Nishtha Dhritih Satyam Samman’, the newly created highest award of the university, for his exceptional achievements and service to the University of Delhi. Additionally, seven retired professors from founding departments of the university were honoured for their distinguished service. Two retired service personnel were awarded for their dedicated and long years at the University. Teacher Excellence Awards for current teachers went to 39 individuals who had been rated high by their students in various colleges. The Chief Guest spoke of responsible citizenship and employability of students and expressed appreciation for the multi-dimensional programmes of study beyond the classroom, such as the popular Gyanodaya Express train and the academic and cultural festival, Antardhvani.

Research and Development Grant

The Research and Development (R & D) grants give support to faculty research. The H-index of the University of Delhi has risen to 91, which is the highest among all Indian universities. The teachers of science departments are given up to Rs 3 lakhs and those of non-science departments up to Rs 1.5 lakhs based on research projects submitted by them. 337 teachers in various departments have been released R&D grants totaling to Rs 6.8 crores for the year 2014-15.

According to Scopus database, the faculty of University of Delhi has published 1353 research papers in high quality journals in 2014 and 513 in 2015 so far.

Research projects 2014-15

The total number of on-going research projects in major research projects category is 158 with a total funding of Rs. 105.96 crores.

The total number of on-going research projects in minor research projects category is 105 with a total funding of Rs. 33.77 crores.

91 teachers received Teaching Excellence awards for their work leading to innovation and potential industrial application from the Innovation Projects.

DU e-journals

The University of Delhi publishes three e-journals. (i) *The Delhi University Journal of Undergraduate Research and Innovation* (ISSN 2395-2334), an online bi-annual peer reviewed research journal (first of its kind in India.) (ii) *The Delhi University Journal of the Humanities and the Social Sciences* (ISSN 2348-4357), peer-reviewed research journal. (iii) *DU-Vidha: the Delhi University Journal of Creative Writing* (ISSN 2347-9094) published twice a year.

Sound and Light Show

The Viceregal Lodge, a heritage building which is the office of the Vice Chancellor, provided the backdrop for a second run of the exclusive Sound & Light Show titled “University of Delhi, A Legend”. Given the popularity of the show in the previous year, it was decided to organize the programme for 5 days, 10-14 March 2015, including a special one for the Alumni. The programme presented significant events in the freedom struggle of India such as the Uprising, the Gandhi-Irwin

pact, and the trial of Bhagat Singh, and how these events were intertwined with the emergence of the University of Delhi. From a legendary role in the freedom movement of India, the Viceregal Lodge became the official address of the University of Delhi in 1933 though the university was established in 1922. Aligning with and redefining the aspirations and needs of the young, the University of Delhi grew rapidly and has become today a microcosm of India. The Alumni evening brought eminent guests on a panel to discuss the role of the University of Delhi in higher education.

Antardhvani Academic and Cultural Festival

The University of Delhi organized the fourth edition of its academic and cultural festival, Antardhvani, from 20-22 February 2015 in the stadium area. Inaugurated by the Chief Guest Dr. Chandan Mitra, Member of Parliament (Rajya Sabha) and Guests of Honour, Professor Glyn Davis, Vice Chancellor, University of Melbourne, Australia, and Professor Sir Timothy O'Shea, Vice Chancellor, University of Edinburgh, U.K, about 50,000 people came each day to the numerous displays and events. The Innovation Plaza, the Cluster Innovation Centre (CIC), NCC parade, International Plaza, the Gyanodaya train, and the Good Practices Awards given to Colleges and Departments were specially appreciated. Respected Guruji, Sri Sri Ravi Shankar, Chief Guest at the Valedictory programme, spoke appreciatively of Antardhvani for bringing together various components of this vast University in order to build community spirit, recognize institutional strengths and encourage shared learning.

Gyanodaya Express, a College on Wheels

The University of Delhi's famous educational train, a college-on-wheels in association with Indian Railway Catering and Tourism Corporation Limited (IRCTC) named Gyanodaya, made its 5th journey from 18-29 December 2014, this time on the theme "Dharohar: The Glory of the North East". The train was flagged off from Safdarjang Railway Station by Shri Kiren Rijiju, Union Minister of State for Home Affairs and Shri Sarbananda Sonowal, MoS Youth Affairs and Sports. As both the honourable ministers hail from the North East, they gave important suggestions on the journey. The students conducted studies on educational, historical and culturally important subjects in all the North Eastern states: Arunachal, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim. Around 65 projects were undertaken by college teams, each comprising of 10 students and a teacher-mentor. The train was provided with internet connectivity, library and classroom, in addition to residing and meal facilities for almost 1000 persons.

UGC grants

The University Grants Commission has conveyed its approval of the tentative allocation of Rs. 300.00 crores (Rupees Three Hundred crores) to the University of Delhi for the XII Plan period (2012-17) including Merged Scheme and Non-NET Fellowship for M.Phil./Ph.D. scholars.

UGC has further conveyed the tentative XII Plan allocation for the Colleges at Rs. 124 crores including Merged Schemes and provision of salary for 59 PG seats sanctioned during XI Plan, and approval of teaching posts for XII Plan period.

UGC has also conveyed its approval regarding the release Rs. 66.00 lakhs for grants-in-aid to University of Delhi for 2013-2014 under General Development Grant for Meta University Concept for Central Universities.

With respect to academic departments, the University Grants Commission has conveyed its approval to the following:

- Centre for Canadian Studies, extension of term of Centre for Area Study Programme for a period of 5 years (01/04/2014 to 31/03/2019) and sanction of Rs. 18 lakhs as financial assistance.
- Department of African Studies, extension of term of Centre for Area Study Programme for a period of 5 years (01/04/2014 to 31/03/2019) and sanction of Rs. 16.25 lakhs as financial assistance.
- Department of Anthropology, upgradation/continuation from DRS-Phase-I to DRS Phase-II programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 36 lakhs, plus 2 Project Fellows for this purpose under the Special Assistance Programme.
- Department of Botany, continuation from DRS Phase –I for a period of 5 years (2011 to 2016) and sanction of Rs. 45.80 lakhs for this purpose under the Special Assistance Programme.
- Department of East Asian Studies, extension of term of Centre for Area Study programme for a further period of 5 years (01/04/2014 to 31/03/2019) and sanction of Rs. 60 lakhs as financial assistance.
- Department of Economics, extension of term of Centre for Area Study Programme for a further period of 5 years (2010 to 2015) and sanction of Rs. 61 lakhs as financial assistance.
- Department of English, upgradation/continuation from DRS-Phase-II for a period of 5 years (2009-10 to 2013-14) and sanction of Rs.44.30 (approx.) lakhs for this purpose under the Special Assistance Programme.
- Department of Geography, upgradation/continuation from DRS-Phase-II to DRS Phase-III programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 54 lakhs for this purpose under the Special Assistance Programme.
- Department of Geology, continuation from CAS-Phase-I to CAS-Phase-II for a period of 5 years (01/04/2011 to 31/03/2016) and sanction of Rs. 141 lakhs for this purpose under the Special Assistance Programme.
- Department of Genetics, upgradation/continuation from DRS-Phase-II to DRS Phase-III programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 70.50 lakhs for this purpose under the Special Assistance Programme.
- Department of Germanic and Romance Studies, upgradation/continuation from DRS-Phase-I to DRS Phase-II programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 59.50 lakhs for this purpose under the Special Assistance Programme.
- Department of Hindi, upgradation/continuation from DRS-Phase-I to DRS Phase-II programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of grant of Rs. 60 lakhs for this purpose under the Special Assistance Programme.
- Department of Linguistics, continuation from DSA-Phase-III to CAS-Phase-I for a period of 5 years (01/04/2010 to 31/03/2015) and sanction of Rs. 68.75 lakhs for this purpose under the Special Assistance Programme.
- Department of Mathematics, continuation from DRS-Phase-III to DSA-Phase-I for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 75 lakhs for this purpose under the Special Assistance Programme.
- Department of Music, continuation from DRS-Phase-III to DSA-Phase-I for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 75 lakhs for this purpose under the Special Assistance Programme.
- Department of Plant Molecular Biology, upgradation/continuation from DRS-Phase-II to DRS Phase-III programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 75 lakhs for this purpose under the Special Assistance Programme.
- Department of Persian, upgradation/continuation from DRS-Phase-I to DRS Phase-II programme for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 44 lakhs, plus One Project Fellow for this purpose under the Special Assistance Programme.

- Department of Political Science, continuation from DSA-Phase-III to CAS-Phase-I for a period of 5 years (01/04/2010 to 31/03/2015) and sanction of Rs. 88 lakhs for this purpose under the Special Assistance Programme.
- Department of Physics and Astrophysics, continuation from DSA-Phase-II to DSA-Phase-III for a period of 5 years (01/04/2010 to 31/03/2015) and sanction of Rs. 59.75 lakhs for this purpose under the Special Assistance Programme.
- Department of Sociology, continuation from CAS-Phase-III to CAS-Phase-IV for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 1 crore for this purpose under the Special Assistance Programme.
- Department of Social Work, continuation from DSA-Phase-III to CAS-Phase-I for a period of 5 years (01/04/2013 to 31/03/2018) and sanction of Rs. 83 lakhs for this for this purpose under the Special Assistance Programme.
- Department of Zoology, continuation from CAS-Phase-VI to CAS-Phase-VII for a period of 5 years (01/04/2011 to 31/03/2016) and sanction of Rs. 1 core 37 lakhs for this purpose under the Special Assistance Programme.
- Developing Countries Research Centre, extension of term of Centre for Area Study Programme for a further period of 5 years (01/04/2014 to 31/03/2019) and sanction of Rs.51 lakhs as financial assistance.
- Department of Plant Molecular Biology, continuation from UGC SAP –I to SAP-II and sanction of Rs. 7.20 lakhs (approx.), for this purpose under the Special Assistance Programme.
- Department of Electronic Science, continuation from UGC-BSR and sanction of Rs. 6.60 lakhs, for this purpose.

Research and Development

During the period under report, some faculty members of the University have been sanctioned Research Projects of the value of more than Rupees one crore each:

- Prof. R P Tandon, Department of Physics & Astrophysics, 4.3 crore from MCIT.
- Prof. Vinay Gupta, Department of Physics & Astrophysics, 4.23 crores from MCIT and 3.28 crores from DST.
- Prof. Rina Chakrabarti, Department of Zoology, 2.77 crores from NUST.
- Dr. Arun Jagannath, Department of Botany, 1.8 crores from DBT.
- Dr. Kirti Ranjan, Department of Physics & Astrophysics, 1.28 crores from SERB, DST.
- Prof. Feroz Ahmed, Department of Physics, 1.09 crores from World Bank.
- Prof. V.K. Chaudhary, Department of Biochemistry, 1.14 crores from DBT.
- HOD, Department of Genetics, 5.10 Crores from DST.
- Prof. A.K. Pradhan, Department of Genetics, 4.86 crores from DBT.
- Prof. D. Pental, Department of Plant Molecular Biology, 1.46 crores from ICAR.
- Prof. Arun K. Sharma, Department of Plant Molecular Biology, 1.30 crores from DBT.
- Prof. D. Pental, Department of Genetics, 1.96 crores from NDDDB/DOFCO.
- Prof. J.P. Khurana, Department of Plant Molecular Biology, 7.51 crores from IWSGC.
- Prof. J.P. Khurana, Department of Plant Molecular Biology, 1.52 crores from ICAR.
- Prof. V.K. Chaudhary, Department of Biochemistry, 2.23 crores from CSIR+IND. Partner.
- Prof. Anil K. Tyagi, Department of Biochemistry, 4.84 crores from DBT.
- Prof. Arun K. Sharma, Department of Plant Molecular Biology, 1.89 crores from DBT.
- Prof. R.C. Kuhad, Department of Microbiology, 1.48 crores from MNRE.
- HOD, Department of Department of Plant Molecular Biology, 4.07 crores from DST.
- Prof. Mridula Gupta, Department of Electronic Science, 3.11 crores from SERB.
- Prof. I Dasgupta, Department of Plant Molecular Biology, 1.00 crores from DBT/BIPP.
- Prof. P.K. Bhatnagar, Department of Electronic Science, 1.43 crores from DBT.
- Prof. J.P. Khurana, Department of Plant Molecular Biology, 3.67 crores from DBT.

- Prof. B.K. Thelma, Department of Genetics, 3.67 crores from SERB.
- Prof. B.K. Thelma, Department of Genetics, 1.85 crores from DBT.

DST PURSE Grant

The University of Delhi has been sanctioned Rupees 40.8 Crores as DST PURSE Grant. This is the highest amount from amongst 14 selected recipients of the grant for research in the university sector. The grant is in recognition based on significant increase in total number of publications and improved performance in publications with h-index values.

The following faculty members have been sanctioned projects of the value of more than Rs. 10 lakhs:

<u>Sl. No.</u>	<u>Name</u>	<u>Department</u>
1.	Dr. K. N. Saraswathy	Anthropology
2.	Prof. Amar Kumar	Botany
3.	Prof. A. K. Bhatnagar	Botany
4.	Dr. Sandeep Das	Botany
5.	Dr. Manu Agrawal	Botany
6.	Dr. Suman Lakhanpal	Botany
7.	Dr. Shailendra Goel	Botany
8.	Dr. Sandip Das	Botany
9.	Dr. Arun Jaganath	Botany
10.	Prof. Sunil K. Sharma	Chemistry
11.	Dr. Sasanka Deka	Chemistry
12.	Dr. Akhilesh K. Verma	Chemistry
13.	Prof. G. V. R. Prasad	Geology
14.	Dr. Biswamoy Pati	History
15.	Prof. Vinay Gupta	Physics & Astrophysics
16.	Prof. B.C. Choudhary	Physics & Astrophysics
17.	Prof. R.P. Tandon	Physics & Astrophysics
18.	Dr. S. Murugavel	Physics & Astrophysics
19.	Prof. Rup Lal	Zoology
20.	Prof. Vinod Kumar	Zoology
21.	Dr. Rakesh K. Seth	Zoology
22.	Dr. Rajagopal Raman	Zoology
23.	Dr. D.K. Singh	Zoology
24.	Dr. Shibnath Mazumdar	Zoology

In addition to the above mentioned projects, 97 projects with a total grant of Rupees 29.07 crores have been sanctioned to faculty members of various departments of the University by different funding agencies.

MOUs and Agreements with 9 Foreign Universities

To enrich its academic inputs and experiences, the University of Delhi has maintained its tradition of entering into academic collaboration with premier institutions. In its endeavor, the University has signed up for academic and research collaborations with many institutions globally. In the reporting period, MoUs and Agreements include:

1. San Diego State University, USA
2. Copenhagen Business School, Denmark

3. University of Glasgow, UK
4. Université Paul-Valéry Montpellier 3, France (Renewal)
5. Japan Advanced Institute of Science and Technology, Japan
6. M.V. Lomonosov Moscow State University, Russia
7. The University of Melbourne, Australia
8. The University of Queensland, Australia
9. The University of New South Wales, Australia

Awards/Honours

Faculty members of the University continued to receive recognition during the period under report. Some of these are:

1. Prof. Dinesh Singh, Vice Chancellor, University of Delhi, awarded “Xavier Lifetime Achievement Award” in the field of “Education & Research”, 2014.
2. Prof. Dinesh Singh, Vice Chancellor, University of Delhi, Honorary Doctorates by the University of Houston, Houston (09 May 2014), National University of Ireland, Cork (06 June 2014), and University of Edinburgh (01 July 2014).
3. Prof. Dinesh Singh, Vice Chancellor, University of Delhi, awarded “Skoch Challenger Award” in the field of Education for the reforms brought under his tenure, 2014.
4. Prof. Sudhish Pachauri, Pro Vice Chancellor, University of Delhi, awarded Subramaniam Bharati Prize for contribution to Indian Literature, 2014.
5. Prof. Vijay K. Chaudhary, Department of Bio-Chemistry awarded Biotech Product and Process Development and Commercialization Award-2014.
6. Prof. Vijay K. Chaudhary & Amita Gupta, Department of Bio-Chemistry, awarded Visitor’s Award 2015 for Innovation.
7. Prof. Pami Dua, Director, Delhi School of Economics elected President, The Indian Econometric Society, 2014.
8. Prof. Rajendra Prasad, Director, Vallabhbhai Patel Chest Institute (VPCI) awarded “Vigyan Gaurav Award” 2014.
9. Prof. Suresh Chand Aggarwal, Department of Business Economics, awarded “Dewan Mehta Business School Award” for Best Professor in Economics in 2014.
10. Prof. Uma Garg, Department of Music, awarded “Sangeet Shree Award” by the Art & Culture Trust of India “Chakrapani’s World School of Music” on 23 December 2014.
11. Dr. P.B. Kannakumar, Department of Music, conferred with “Sangeeta Kovidha” by Gayatri Fine Arts (regd.), Delhi on 29 June 2014 and also conferred “Sri Kanchi Kamakoti Peetam Asthan Vidwan” by Sri Jayendra Saraswati Sangeeta Vidwat Sabha during the Mallaratri Festival at Kancheepuram, Tamil Nadu on 24 September 2014.
12. Dr. T.V. Manikandan, Department of Music, awarded “Malliyoor Sangita Brungam” on 2 February 2015.
13. Prof. Ved Pal Singh, Department of Botany, awarded Fellow, International Society of Plant Morphologists and Fellow, Linnean Society, London.
14. Prof. Veena Aggarwal, Department of Botany, elected for the award of Fellowship FISPM (Fellow of the International Society of Plant Morphologists), 2014 and also Awarded fellowship of Indian Society of Plant Physiology (ISPP) in December 2013.
15. Prof. Avinash Khare, Department of Physics & Astrophysics, elected Fellow of National Academy of Sciences, India (FNASc) 2014 and Fellow, Indian Academy of Sciences (FASc) 2014.
16. Prof. R.K. Saxena, Department of Microbiology, UDSC, Fellow of Indian Academy of Microbiological Sciences (FAMS) from Indian Academy of Microbiological Sciences. 2014.
17. Prof. R.C. Kuhad, Department of Microbiology, UDSC, awarded AMI-Dr. G.B. Manjrekar Award. 2014.

18. Dr. Anupa Sidhu, Director, Lady Irwin College was awarded Nina Sibal Award-August 2014 and Shikshak Ratna Award - September 2014. She also received the International Education and Leadership Summit Award 2015.
19. Prof. M.V. Rajam, Department of Genetics, elected as a Fellow of the Indian National Science Academy, New Delhi.
20. Prof. B.K. Thelma, Department of Genetics, awarded "Sunder Lal Hora Medal", 2014 and 'The Sanghvi Oration Award' of Indian Society of Human Genetics, 2015.
21. Prof. JP Sharma, Department of Commerce, "Shiksha Gaurav Puraskar" awarded in 2014 by the Centre for Education Growth and Research, New Delhi.
22. Prof. Maharaj K. Pandit, Department of Environmental Studies, elected Fellow, National Academy of Sciences of India, 2014-2015 and also appointed Radcliffe Fellow at Harvard University's Radcliffe Institute of Advanced Study.
23. Prof. P. Pardha Saradhi, Department of Environmental Studies, elected for the Fellowship of International Society of Plant Morphologists.
24. Dr. David Kothamasi, Department of Environmental Studies, received "DST BOYSCAST award" for Research at Overseas Institute, DST, Government of India.
25. Prof. Anita Sharma, Department of East Asian Studies, awarded "Second World Buddhist Outstanding Award 2015" from Government of Thailand and the World Fellowship of Buddhist Youth Award.
26. Prof. Jitendra Paul Khurana, Department of Plant Molecular Biology, given Professor Jatis Chandra Sengupta Endowment Lecture Award by the West Bengal Academy of Sciences & Technology (WAST), in October 2014 and also awarded Prof. H.C. Arya Memorial Gold Medal by the Plant Tissue Culture Association of India, January 2015.
27. Prof. Paramjit Khurana, Department of Plant Molecular Biology, given Shri Ranjan Memorial Lecture Award (2014) by the National Academy of Sciences, India.
28. Dr. Yasmeen Arif, Department of Sociology, awarded a Fulbright – Nehru Senior Research Fellowship at the Institute for Advanced Study and Interdisciplinary Centre for the Study of Global Change, University of Minnesota, April-May 2014.
29. Dr. Rashmi Joshi, Department of Slavonic & Finno-Ugrian Studies, received "The Golden Laurel" award from the Government of Bulgaria for her contribution to Bulgarian Studies, December 2014.
30. प्रो. श्योराज सिंह, हिन्दी विभाग, राष्ट्रभाषा हिन्दी गौरव सम्मान, संसदीय हिंदी परिषद, विधि भारती परिषद, नई दिल्ली, 21 नवम्बर, 2014 और राष्ट्रीय अम्बेडकर अवार्ड, भारतीय दलित साहित्य अकादमी, दिल्ली, 13 दिसम्बर, 2014 .
31. डॉ. मुकेश गर्ग, हिन्दी विभाग, लक्ष्मी देवी ललितकला अकादमी अवार्ड) सर्वोच्च सम्मान(, कानपुर, 15 मार्च, 2015 .
32. डॉ. कुमुद शर्मा, हिन्दी विभाग, साहित्य श्री और पत्रकारिता श्री सम्मान, डॉ. रामजी लाल झांगिड़ हीरक जयंती समारोह समिति, दिल्ली, 7 नवम्बर, 2014.
33. डॉ. अल्पना मिश्र, हिन्दी विभाग, प्रेमचंद स्मृति कथा सम्मान, शाबरी फ़ाउंडेशन, बांदा, उत्तर प्रदेश, 2014.
34. डॉ. विनोद तिवारी, हिन्दी विभाग, देवीशंकर अवस्थी सम्मान) हिन्दी आलोचना(, देवीशंकर अवस्थी संस्थान, दिल्ली, अप्रैल, 2014.
35. Prof. Gurmeet Singh, Department of Chemistry, elected Fellow of the Indian Academy of Sciences, 2015.
36. Prof. Sohini Guha, Department of Political Science, received the New India Fellowship, 2014-2015.
37. Prof. Sunil Chowdhary, Department of Political Science, received the Pearson Award 2015 and the Global South Award, International Political Science Association.

38. Prof. Rup Lal, Department of Zoology, received Himachal Kalyan Sabha (Regd.), Delhi for his contribution in Research, on 23 November 2014 and also received Prof. S.R. Vyas Memorial Award (Biannual) from the Association of Microbiologists of India for 2014.
39. Prof. T. Satyanarayana, Department of Microbiology, elected Fellow of the Andhra Pradesh Akademi of Sciences, Hyderabad, for 2014-15.
40. Dr. Vipul Singh, Department of History, received the Carson Fellowship (2014-15) at Rachel Carson Centre, LMU, Munich, Germany.

Awards/Fellowships in Medical Science

1. Prof. Shukla Das, Department of Microbiology (UCMS) was awarded Saoji & Sen Gupta Memorial Award (Gold Medal) at National Conference IAMM Jaipur, Nov. 2014.
2. Dr. S.K. Rasania, Department of Community Medicine (LHMC), awarded Fellow of India Association of Preventive & Social Medicine (FIAPSM), 2014.
3. Dr. T.K. Ray, Department of Community Medicine (LHMC), awarded Fellowship in HIV Medicine, 2014.
4. Prof. N.K. Aggarwal, Department of Medicine, UCMS was awarded the distinguished fellowship of the Indian Congress of Forensic Medicine & Toxicology.
5. Prof. O.P. Kalra, Department of Medicine, UCMS was awarded the fellowship of American College of Physicians, 2014.
6. Prof. O.P. Kalra, Department of Medicine, UCMS was given Oration award by the Hypertension Society of India on 9-10 August 2014 & Khullar Oration award by the Indian Society of Nephrology on 18-21 December 2014.
7. Prof. Amitesh Agarwal, Department of Medicine, UCMS was awarded Fellowship of Indian Academy of Clinical Medicine in 2014, Fellowship of International Medical Sciences Academy in 2014, Fellowship of Indian College of Physicians in 2015 and Fellowship of Indian Society of Electrocardiology in 2015.
8. Dr. Beena Uppal, Department of Microbiology, (MAMC) given Maulana Azad Medical College Distinguished Alumnus Award 2014.
9. Dr. Vandana Roy, Department of Pharmacology, (MAMC) received a distinguished Teacher's Award from MAMC Old Students Association, 5 September 2014.
10. Dr. Akhil Dahiya, Department of Pharmacology (MAMC), paper on "Fixed Dose Drug Combinations: A to Z analysis" was chosen among the Best Three Papers in Public Health Conference in Bangkok, Thailand, 12-14 July 2014.
11. Dr. Vijay Kumar, Department of Dermatology & STD (MAMC), awarded Prof. Ganapati Panja Memorial Award by Indian Association of Dermatologists Venerologists & Leprologists (IADVL) during 43rd National Conference DERMACON-2014, 12-15th February 2015 at Mangalore.
12. Dr. Jagdish Chandra, Department of Pediatrics, LHMC, received R.V. Lokeshwar Oration award of Pediatric Hematology Oncology Chapter of IAP, PHOCON, in Chennai on 11 October 2014.
13. Dr. Suvasini Sharma, Department of Pediatrics, LHMC, received IAP Young Researcher Award 2015 for her contribution to Research in Child Health Pedicon-2015, Indian Academy of Pediatrics, 24 January 2015.
14. Dr. Sneha Jain and Dr. Anju Seth, Department of Pediatrics, LHMC were awarded Dr. Satya Gupta Award for best research paper in the field of Social Pediatrics 2014 on "Comparison of transplacentally acquired anti-measles antibodies in HIV exposed as HIV unexposed infants at 6 months of age", Annual Conference of IAP Delhi State Branch, December 2014.
15. Dr. Gopinath M. and Dr. Anju Seth Department of Pediatrics, LHMC were awarded Dr. Sarla Vaishnava Award for Best Research Paper in the field of Metabolic disease 2014 on "Effect of impaired ambulation and anti-epileptic drug intake on vitamin-D nutrition status of children with cerebral palsy", Annual Conference of IAP Delhi State Branch in December 2014.

16. Dr. Shalini, Department of Obst. & Gynae, UCMS was awarded fellowship of National Academy of Medical Sciences, 18 October 2014.
17. Dr. Rajeev B Ahuja, Department of Burns & Plastic Surgery, UCMS, nominated for “Best DNB Alumnus Teacher Award” by the National Board of Examinations, 2014-15 and also received “President’s Appreciation Award” of National Academy of Burns-India, NABICON 2015, Ludhiana, 20-22 February 2015.
18. Dr. PS Bhandari, Department of Burns & Plastic Surgery, UCMS received “President’s Appreciation Award” of National Academy of Burns-India, NABICON 2015, Ludhiana, 20-22 February 2015.
19. Dr. Prabhat Shrivastava, Department of Burns & Plastic Surgery, UCMS received “President’s Appreciation Award” of National Academy of Burns-India, NABICON 2015, Ludhiana, 20-22 February 2015.
20. Dr. Arun Goel, Department of Burns & Plastic Surgery, UCMS received “Bhagirathi Award for Outstanding Services” during the year 2013-14, Delhi, 7 November 2014.
21. Dr. T.K. Taneja Department of Community Medicine, MAMC, given Dr. Harcharan Singh Oration award by IAPSM.
22. Dr. Shalini Rajaram, Department of Obst. & Gynaecology, UCMS awarded fellowship of National Academy of Medical Sciences, 18 October 2014.
23. Prof. Raj Kumar, Department of Pulmonary Medicine, VPCI, honoured with Shiksha Gaurav Puraskar 2014 for exemplary contribution towards higher education. Centre for Education Growth and Research (CEGR), New Delhi, 17 July 2014.

University Lecture Series

- Prof. Balbir S Sihag, University of Massachusetts, Lowell. “Kautilya’s Proactive and Pragmatic Approach to National Security”, 24 October 2014.
- Mr. Rakesh Singh, NASA’s Johnson Space Centre in Houston. “A History of Spaceflights: Journey to the Moon”. January 7 & 8, 2015. Cluster Innovation Centre.

Curriculum change

Introduction of new post graduate course:

- M.Sc. in Forensic Science

Seminars/Conference/Workshop

Faculty/ Departments

- Department of Germanic & Romance Studies. Annual International Seminar, “India in other Literatures”. 6-8 March 2014.
- Faculty of Music. UGC National Seminar on “The Significance of Musical Embellishments in Indian Music”. 20-21 March 2014.
- Department of Political Science, in partnership with the School of Open Learning, University of Delhi, the Macmillan Global Justice Program, Yale University & Centre for the Study of Global Ethics, University of Birmingham, organized an international seminar on “Global Justice and the Global South”. 25-27 April 2014.
- Department of Physics & Astrophysics, International Conference on Electron Microscopy & XXXV Annual Meeting of Electron Microscope Society of India (EMSI). 9-11 July 2014.
- Department of Germanic & Romance Studies. III Ibero-Asian Conference on “Golden Age Literature and Hispanism in General”. 15- 17 October 2014.

- Department of East Asian Studies. Seminar on “Development of East Asian Studies in India”. 31 October 2014.
- Department of Geography, IGU conference on “Re-Orienting Gender: Geographies of Resistance, Agency, Violence and Desire”. 19-21 November 2014.
- Department of History, international conference, “Modern Transformations and the Challenges of Inequalities in Education in India”. 27-29 November 2014.
- Department of Economics, Delhi School of Economics, annual international conference “Winter School 2014”. 15-17 December 2014.
- Department of Computer Science International Conference on Big Data Analysis (BDA). 22-23 December 2014 at IIT, Delhi.
- Department of Psychology. “Debating Hinduism and the Indian Grand Narrative”. 30 January 2015.
- Department of Political Science national seminar on “The Future of India’s Democracy: Social, Economic and Political Aspects”. 30-31 January 2015.
- Department of Persian, International Seminar under DRS SAP-II. 4-6 February 2015.
- Department of Psychology, “Healing and Counseling in Traditional Indian Spiritual Setting”. 11 February 2015.
- Department of Psychology, programme on Isha Upanishad. 26 February 2015.
- Department of Urdu national seminar on “Tafheemat-e-Hali-o-Shibli”. 9-10 March 2015.
- Department of Political Science national seminar on “Power, Culture and Marginality in India”. 16-17 March 2015.
- Faculty of Music, International Seminar on “The Global Impact of Modern Trends in Traditional Music”. 19-20 March 2015.
- Department of Mathematics, International Workshop on Geometry, Arithmetic and Analysis on Hyperbolic spaces. 10-15 December 2015.

Faculty of Medical Science

- Department of Paediatrics, UCMS, National Neonatology Forum of India and National Conference of Indian Academy of Pediatrics (IAP)-IYCF Chapter. 2014
- Department of Pediatric Surgery (MAMC), Pediatric Surgery Update. 12-15 February 2014.
- Department of Obst. and Gynae, UCMS organized 21st National Annual Conference of Narachi Delhi Branch, SCOPE Complex, New Delhi. 6-7 September 2014.
- Department of Community Medicine, (MAMC) organized 2nd International Conference on Occupational and Environmental Health. 26-28 September, 2014.
- Department of Radiodiagnosis, (MAMC) organized 23rd Annual Conference of IFUMB. 31 Oct.-2- Nov.2014.
- Department of Orthopedic Surgery, (MAMC) organized Annual Conference of Delhi Orthopedic Association. 1-2 November 2014.

Infrastructure

Since suitable infrastructure is critical for academic work, the University has been striving hard to resolve the problem of shortage of space.

North Campus. The following construction work has been completed:

- Restoration/renovation of Anthropology Department.
- Restoration and renovation of Botany Department (New & Old Block).
- Renovation of Swami Vivekananda Hall, Delhi School of Economics.
- Renovation of roof of Convocation Hall to prevent seepage.

North Campus. The following construction work is in progress:

- Lecture Hall complex for Arts Faculty/ Arts & Social Science building.
- Renovation (Civil/Electrical/AC work) of P.G. Women's Hostel.
- Construction of vertical extension of Zoology Department.

South Campus. The following construction work is at the stage of planning:

- Construction of academic building for Faculty of Management Studies
- Construction of hostel
- Construction of Guest House
- Horizontal Extension of Electronic Science Building

OFFICERS OF THE UNIVERSITY

Chancellor

Hon'ble Mohd. Hamid Ansari, Vice President of India

Pro-Chancellor

Justice P. Sathasivam	upto 26.04.2014
Justice Rajendra Mal Lodha	upto 27.09.2014
Justice H.L. Dattu	w.e.f. 28.09.2014

Vice-Chancellor

Prof. Dinesh Singh

Pro-Vice-Chancellor

Prof. Sudhish Pachauri

Dean of Colleges

Prof. Malashri Lal

Director, South Delhi Campus

Prof. Umesh Rai

Director, Campus of Open Learning

Prof. C.S. Dubey (Offgs)

Treasurer

Mrs. Janaki Kathpalia	upto 20.08.2014
Shri T.S. Kripanidhi	w.e.f. 22.08.2014

Proctor

Prof. (Ms.) Satwanti Kapoor	upto 02.11.2014
Prof. (Ms.) Satwanti Kapoor	w.e.f. 03.11.2014

Dean Students Welfare

Prof. J. M. Khurana

Registrar

Ms. Alka Sharma	upto 25.08.2014 (A/N)
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Prof. Tarun Kumar Das w.e.f. 25.8.2014 (A/N) to 13.02.2015 (officiating)
Prof. Tarun Kumar Das w.e.f. 14.02.2015

Deans of Faculties

Arts

Prof. Minni Sawhney

Science

Prof. C.S. Dubey upto 09.07.2014
Prof. Devesh K. Sinha w.e.f. 10.07.2014

Social Sciences

Prof. Anita Sharma upto 05.04.2014
Prof. Sreemati Chakrabati w.e.f. 06.04.2014

Law

Prof. Ashwani Kumar Bansal

Management Studies

Prof. Raj S. Dhankar upto 23.05.2014
Prof. M.L. Singla w.e.f. 27.05.2014

Mathematical Sciences

Prof. Jagdish Saran

Medical Sciences

Prof. Reva Tripathi

Music & Fine Arts

Prof. Uma Garg

Technology

Pro Vice Chancellor

Ayurvedic and Unani

Dr. Vivek Bhushan upto 11.04.2014
Dr. S.M.A. Rizvi w.e.f. 05.05.2014

Education

Prof. Rama Mathew upto 01.09.2014
Prof. Sadhna Saxena w.e.f. 02.09.2014

Inter-Disciplinary and Applied Sciences

Prof. J.P. Khurana

Applied Social Sciences and Humanities

Prof. V.K. Kaul upto 19.07.2014
Prof. Suresh Chand Aggarwal w.e.f. 20.07.2014

Commerce & Business

Prof. J.P. Sharma upto 18.05.2014
Prof. C.P. Gupta upto 03.02.2015
Prof. Muneesh Kumar w.e.f. 12.02.2015

Homeopathic Medicine

The Dean, Faculty of Medical Sciences

STUDENT ENROLMENT

The total number of students enrolled in the University during the academic year was 6,28,443. Of these 2,03,460 students were enrolled in the Colleges, 17,098 in the University Department, 3,91,344 in the School of Open Learning and 16,541 in the Non-Collegiate Women's Education Board.

GENERAL FACILITIES AND PROGRAMMES

CULTURAL COUNCIL

The Culture Council organized the following programmes in 2014-2015:

Kamalnayan Bajaj Memorial All India Inter University Elocution Competition held on 9th and 10th January 2015 at Shiksha Mandal, Wardha (M.S). The Cultural Council nominated Mr. Prankur Arora, student of Kirori Mal College as entrant of Delhi University and he won the first prize in All India Inter-University Elocution Competition.

Vande Mataram –Inter College classical dance and group song competition held on 22nd January, 2015 at Deen Dayal Upadhaya College. The Cultural Council has been organizing this event for the past 9 years.

Supported Vasant Utsav, a programme of Faculty of Music and Fine Arts.(24th Jan.2015)

Songs of India –Inter College Choir Competition held on 30th January, 2015 at Bhaskaracharya College of Applied Sciences.

Inter College Turncoat debate held on 6th February 2015 at Bharati College.

Supported Qawali Programme organized by Urdu Department, University of Delhi. It was held on 12th March 2015 at Shankar Lal Hall.

All programmes received tremendous response both from the participants and the audience.

Following Programme was organized by the University of Delhi, the Culture Council also played a vital role in it.

Delhi University organized its Annual Cultural Festival 'Antardhvani 2015' (season 4) from 20th to 22nd February, 2015. Students from various colleges of Delhi University participated in the events which were held during the three day festival. The cultural events included classical dance, folk dance, vocal solo, group song, instrumental music, rock band and choreography. Deputy Dean, Culture was the coordinator of the above mentioned seven events.

DEAN STUDENTS' WELFARE

Major Activities

Open Days: Ten Open days in North Campus (Conference Centre) were conducted. Altogether, more than 30,000 students and parents attended. The aspiring candidates and their parents showed a high degree of enthusiasm in attending the Open Days.

Help Desk: Student Help Desk for undergraduate admissions was set up at Dean Students' Welfare Office. This step was initiated to prevent unauthorized persons from disseminating wrong/ inadequate information to aspiring candidates. These help desks were in operation for more than a month in the Conference Centre.

Orientation Programme for International Students: The office of Foreign Students Registry (FSR) organized a one day Orientation programme (Abhivinyas) for the international students admitted to different courses in Delhi University on 9th September, 2014. Present on the occasion were Professor Dinesh Singh, Vice Chancellor & Chief Guest, and Professor Malashri Lal, Guest of Honour, Prof. J.M.Khurana, Dean Students' Welfare, Professor Satwanti Kapoor, Proctor, Professor Anand Prakash, Dean, International Relations, Dr. Gurpreet Singh Tuteja, and Dr. Amrita, Deputy Dean Students' Welfare. The students had an opportunity to interact with the Vice Chancellor, representatives from Dean Students' Welfare and students belonging to other countries during this event. Professor Dinesh Singh welcomed students and assured facilities for them. Professor Malashri Lal also appreciated the interest of foreign nationals in selecting University of Delhi for pursuing higher education. Professor J.M. Khurana, briefly introduced the present students to the University. It was followed by detailed orientation through power- point presentation by Dr. Amrit Kaur Basra, Deputy Dean, Foreign Students Registry. Indian and Foreign students gave dance and song performances coordinated by Dr. Suchitra Gupta, Deputy Dean, Culture Council.

Gyanodaya Express: The office of Dean Students' Welfare actively participated in the 5th Gyanodaya Express programme as in previous years by helping the organizers in various activities. The Gyanodaya had a central theme: "Darohar: The Glory of the North-East". The office of Dean Students' Welfare helped in preparation and assessment of project reports. More than 900 students participated in Gyanodaya V. Dr. G.S.Tuteja, Deputy DSW accompanied the group at all stages.

Sound and Light Show: The Dean Students' Welfare office participated with full vigor and enthusiasm. The photography of the event for all four days was handled by Dr. G.S.Tuteja, Deputy Dean, DSW along with 10 volunteers.

Admission Activities

Undergraduate Admission Co-ordination:

Publishing of University Information Bulletin for Admission for all categories (Gen/OBC/SC/ST/PwD) both in English and Hindi, and data analysis of OMR forms (online/offline). Students of all categories Gen/SC/ST/OBC were allowed to register through OMR Pre admission forms (offline) and through online-registration. The PwD candidates were provided separate additional facilities related to their admissions. The bulletin of information was available throughout the admission process @ Rs.100 each. The same could be downloaded free of charge from the University website for all categories of candidates.

In order to address the grievances of candidates belonging to SC/ST/OBC and PwD category, relating to admissions, a committee was set up with Dean Students' Welfare as chairperson.

Central Placement Cell Activities

The University has a Central Placement Cell to arrange employment opportunities for the students pursuing undergraduate, postgraduate and Ph.D. studies in all the constituent colleges and departments. The academic year 2014-15 was the seventh year of its working after the inception in 2008. The students registered exceeded 15000 including those for internships. This year 40 companies were short listed to carry out On-Campus Selection Drives at North and South Campus. More than 2000 students were shortlisted with job offers from different companies and 1400 students finally got employment in various public and private sector organizations with handsome salary packages. This year brought a significant change as some corporates also showed interest in offering jobs to Postgraduate and Ph.D. candidates. Along with the regular CPC activities, this year under Capacity Enhancement Programme, experts from different fields were invited to interact with 1st and 2nd year students to provide them with specialized career guidance. These workshops helped our students to interact with professionals to enhance their basic skills viz., CV writing, facing interviews, self-assessment and self-employment.

Internship Programmes: Students from 1st and 2nd year from colleges were sent to various companies as interns to have hands-on information and experience. For this purpose the companies were invited to register with CPC. This year, many companies visited CPC and shortlisted a number of candidates for Summer Internships. Track My Beat, HTLC, Zostel Hospitality, Mercer, We are Holidays, Budzter and Medallin Sports were the prominent companies for internships.

Placements: This year a sizable number of students got job offers from companies such as Wipro, SRF Ltd, Whirlpool, Genpact, Tata Power, Freight System, Parkin Elmer, and H.T .Media etc. For the first time aviation companies like Indigo Airlines and Air Shagoon have entered the portals of CPC. Annual packages up to Rs. 6.00 lakhs were offered to CPC registered students.

Leading organizations of international and national repute have partnered with University of Delhi for recruitment through Central Placement Cell which builds liaison with business leaders and senior managers in reputed companies.

The Central Placement Cell acts on the advice of the Placement Cell Advisory Committee comprising of Dean Students' Welfare, Placement Coordinator, Deputy Deans Students' Welfare, placement consultant and placement coordinators from all the colleges and departments. The advisory committee monitors and guides the functioning of the Placement Cell.

S.No	Name of Company	S.No	Name of Company
1	Comtech IT Solutions Pvt. Ltd	21	United Health Group
2	Wayonline Interactive India P Ltd	22	Quatrrro Global Services Pvt. Ltd
3	Tivium Education Service Ltd	23	Technofeb Engineering
4	Freight System	24	Steria India
5	Whirlpool India Pvt Ltd	25	Freight System India Pvt Ltd
6	Litchi Knowledge Centre	26	Air Shagoon Network Pvt. Ltd
7	Experts Intellectual Solutions Pvt. Ltd	27	Mera Job
8	EXL Service	28	Litchi Knowledge Centre
9	Trackmybeat Healthcare P Ltd	29	VIVO Mobile India
10	SRF Ltd	30	Teacher Sity
11	Zostel Hospitality	31	Jhajjar Power Limited
12	HTLC	32	HTLC : Studymate
13	Wipro	33	IndiGo
14	Genpact	34	MERCER
15	Collective Artist	35	WeAreHolidays
16	ChikiwebPvt Ltd	36	Oji Holdings Corporation
17	TATA Power	37	Incyber Media & Technology
18	ATOS	38	Buddzter Web Services
19	Extra Edge Info (Engineering Watch)	39	Medallin Sports
20	Perkin Elmer	40	Let me drive

Antardhvani 2015 : Delhi University's Academic and Cultural Festival

For the fourth time in succession the University of Delhi organized a multifaceted student festival, Antardhvani 2015, at the University stadium (North Campus) with active participation of DSW volunteers and NCC cadets. This festival was meant for students of all the colleges and postgraduate departments. A special programme was organized by the International students, including International Food Plaza. The total foot fall was over 3 lakhs this year during 3 days of Antardhvani.

Dr. G.S.Tuteja, Deputy Dean, DSW coordinated the Short Films and Photography Competition. Dr. Amrita Bajaj, Deputy Dean, DSW coordinated Rangoli competition and Debate with Dr. Rakesh Kumar Parashar, Deputy Dean, DSW. The photography of the event was handled by Dr. G.S.Tuteja, Deputy Dean, DSW and 10 volunteers.

The highlights of the festival helped by DSW office were :

- a) Film making competition.
- b) Life in DU: Photography Competition
- c) Debate
- d) Rangoli
- e) Creative writing renditions in any language
- f) Dance, music and dramatics
- g) A grand flower Show
- h) Food festival
- i) NCC Parade by cadets
- j) College bands, debates, street plays

Participation in Gandhi Bhawan & Cultural Activities

On the initiative of Prof. Dinesh Singh, Vice Chancellor, a students' grievance redressal forum was created to resolve problems faced by the students. Every Thursday, from 3.00 to 5.00 pm officials of the University along with DSW representatives were available for interaction with students. The Culture Council, activities reported earlier, functioned under Dr. Suchitra Gupta, Deputy Dean Students' Welfare.

DELHI UNIVERSITY COMMUNITY RADIO

DUCR 90.4 MHz

Delhi University Community Radio (DUCR90.4 MHz) was established in the year 2007 in SOL Campus. In February 2014 it was shifted to the University Stadium. The Radio station consists of Transmitter Antenna, one Studio, Transmission booth and Recording room. The Transmitter and Antenna have been installed on the rooftop of Rugby Sevens Building.

DUCR is serving its purpose of skill development in its student community by providing training in equipment handling, opportunity and guidance. A large number of students have already gained practice and many more aspire to be a part of the programme. It is a forum for enhancing one's knowledge, personality and communication skills.

DUCR runs on the principle "of the community, by the community, for the community." Being surrounded by the best colleges of India, it engages the best human resources residing here. By the keen interest of Governing Council of DUCR, its Programme Advisory Committee, and sub-committee of DUCR, the Station is run entirely by the students. Responsibilities such as writing scripts, voice over, editing programmes, interviewing people, social media management, administration, attending seminars and conferences, handling technical equipment, outside broadcasting, advertising and popular challenges of Radio presenter are handled by students.

DUCR has also started streaming its Programme as Internet Radio on the website of University of Delhi. A website for the benefit of all may be visited on the link: <http://ducr.du.ac.in/>. A new app has been developed for easy functioning of the Community Radio. It can be downloaded from the DUCR website.

Coverage of important events by DUCR:

Gyanodaya V: Dharohar, the Glory of North East; December 18-29, 2014. A detailed research project and complete media coverage was taken up by DUCR volunteers. After journey, 8-10 episodes were produced.

Antardhvani: February 20-22, 2015. DUCR provided media coverage through a stall placed in the fest. RJ Hunt was conducted by the volunteers. Live broadcast of NCC Parade was recorded and broadcast.

Rashtriya Ekta Divas: October 31, 2014

DUCR covered the Debate competition on Rashtriya Ekta Divas on the topic “This house believes that the ideas of Sardar Vallabhai Patel are still Relevant” at Gandhi Bhawan, University of Delhi. Interaction with the people, Phone –in-programmes and radio feature on “Lauh Purush Sardar Patel” was broadcast from the station. In the evening from 3:30 pm a special programme “Hulchul DU ki” gave the detailed report of the day.

Gandhi Bhawan special programmes such as “Paricahrcha” (discussion) and “Favourite Bhajans of Gandhiji” were recorded and broadcast.

Convocation Ceremony: May 30, 2015 Volunteers of DUCR attended covered the event.

Seminar for DU aspirants on Admission: May 29, 2015.

Mangalyaan: September 22, 2014 Special programme had a panel discussion with Scientists and other professionals.

Interview with Ambrish Saxena : May 24, 2015 author of many eminent and resourceful books.

Cinema and Literature: August 20, 2014 A talk on History with Dr. Vijay Kumar Mishra , Hans Raj College.

Scientific Temper: October 28, 2014. A talk show related to science and technology.

Malhaar Music Festival conducted by Faculty of Music, was recorded by volunteers.

Training:

DUCR is conducting classes on various aspects of Broadcasting for students aspiring to join Media companies. The trainee gets the basic understanding of broadcast transmitter, studio equipment such as console, microphone, fader, computer, phone-in-unit and editing software etc.

DELHI UNIVERSITY LIBRARY SYSTEM

Major Activities, Events and Initiatives

Delhi University Library System has taken several measures to revamp the Library and information services provided through its 34 constituent libraries, in keeping with the newly revised Ordinance XVI. A brief listing is given below:

Print Resources

The Library System added 21,195 volumes of books/periodicals to its collection. The total collection as on 31-03-2015 is 16,13,465 volumes. The current Periodicals Subscribed by DULS are 1353.

Electronic Resources

The DULS continued to strengthen the accessibility of electronic resources to the users.

There are 49 electronic databases in different subjects and disciplines that are available to the user community of the University. These are:

1.	ABI/INFORM Complete
2.	Academic Search Premier
3.	ACM
4.	American Geophysical Union Journal
5.	American Phytopathological Society
6.	American Society for Micro-biologist
7.	Anthrosource
8.	British Parliamentary Papers
9.	Business Source Premier
10.	Capitalism, Nature, Socialism
11.	Capitalline Plus
12.	Chicago Manual of style
13.	CLA Plus
14.	Credo (Formerly Xreferplus)
15.	Ecolit (Abstract Database)
16.	e-Jurix
17.	Emerald Management Extra
18.	Encyclopedia of Britannica
19.	Encyclopedia of Cyber Crime
20.	Encyclopedia of Law Enforcement
21.	Environment and History
22.	Geo Science World
23.	Humanities International Complete
24.	IEL Online
25.	India stats
26.	Indianjournals.com
27.	Keesing's World News
28.	Legal Pundits
29.	Lexis Nexis
30.	LISA
31.	LNCS
32.	Manupatra
33.	Nature Publishing
34.	New York Review of Books
35.	Omnifile Full Text
36.	Oxford Dictionary of National Biography online & Grove Art Online
37.	Palgrave Dictionary of Economics
38.	Sage Online
39.	Science Direct
40.	Science Magazine
41.	Scifinder Scholar
42.	Scopus
43.	Soc Index with Full text
44.	Statesmen's Yearbook
45.	UMI Database

46.	Westlaw India
47.	World Development Indicators
48.	World Intellectual Property Search
49.	WTO e-library

Audio Book Resources and Braille Library

The Braille Library is actively engaged in supporting teaching, learning and research for the visually impaired students and faculty members. It has 3 audio book production studios, 2 high capacity Braille embossers, network of 16 latest computers with softwares like Sigtuna, Jaw, Dexbury, Leap Office etc. There are 1,607 audio books, 1,707 Braille books, 1,566 e-text, etc. The entire collection of audio books and e-text has been made available online an DUCC IP range in last academic year and is accessible via ID and password at <http://bl.du.ac.in>. The library is regularly used by visually impaired students enrolled in the University. Presently 176 members are enrolled in the library. Besides 4,114 hits on its website for downloading accessible materials, it has circulated 3,713 books on CDs.

USER SERVICES

(i) DULS—Website

DULS-Website which includes the catalogue of selected libraries (OPAC) a provision of e-referencing, A-Z list of E-journals, Online Information Literacy Tutorial, Subject Portal, Ask your Librarian, access to electronic resources including open access resources and several other user friendly features, is in operation. Till date the website has received a total of 5,38,730 hits.

(ii) Digital Library

The Library has digitized 14386 books out of copyright zone available in DULS and have been placed on the web for global internet accessibility using the Open Source Content Management System, namely, 'Dspace'. The URL is <http://library.du.ac.in/dspace>.

(iii) Information Literacy Programme

DULS has initiated and regularly conducting Information Literacy Program since 2006. and organized a total of 120 Information Literacy programs in various departments and colleges of University of Delhi including 92 E-Resource Orientation programs, 15 Hands on Training Sessions, 13 One Day Workshops for Research Scholars in Social Sciences. A total of 3700 P.G. Students, 1904 Research Scholars, 3983 Faculty members, and 486 library professional have attended the ILP.

(iv) Knimbus

Presently there are 1,480 registered users from DU. In last one year there have been 6,238 logins, 35,088 searches and 8,563 articles down loads through Knimbus.

HUMAN RESOURCES

The training facility created in the Central Library for imparting training on 'Use of Computers in Libraries' has been conducting the training programme for the benefit of Library Staff of the University and College Libraries with the help of the resource Persons from DU Computer Centre.

Summer Internship

DULS continued to engage students of Master's Programme in the Library & Information Science as summer interns @ Rs. 7,500/- per month 13 student have been given training in various Libraries during the period.

SEMINARS / CONFERENCES / WORKSHOPS / EXHIBITION

Convocation Exhibition of Doctoral Research and Faculty Publications, "Doctoral Research" Vol. 16, 2015, was held in the Central Library from 28th May to 3rd June, 2015 on the occasion of the 92nd Annual Convocation 2015. The Exhibition was inaugurated on by Prof. Ashok Vohra, former Professor and Head Department of Philosophy.

Dr. Lokesh Sharma invited for delivering lectures to faculty members from different Universities on 19th March 2015 at SRCC, DU under Faculty Development Programme and also delivered lecture to the Research Scholars from different universities from 01st Jan, 2015 in Department of Geography at Delhi School of Economics.

Dr. Tariq Ashraf, Deputy Librarian In-Charge Attended as Resource Person in One day National Seminar on :Changing Role of Librarians in Digital Era held on 12th August, 2014 at JNU, New Delhi. And attended the 10th International Conference on Webometrics, Informatics organized by COLLNET held in Ilmenau, Germany during 03-05, September 2014. and also attended as an expert the " a Seminar series "Enhancing Access to Library Resources A Critical Discussion, Examination and Evaluation of Web-Scale Discovery Services in Collaboration with PROQUEST INDIA held Pune University , Jain University Bangalore and Punjab University, Chandigarh on 13th October, 2014 , 14th October, 2014 and 16th October, 2014 respectively.

ACTIVITIES IN OTHER MAJOR LIBRARIES

Central Library (Including the Arts Library)

The Central Library (including the Arts Library) has been able to add a collection of 5,003 volumes in the last financial year with a membership of 3,827 users and the circulation of 3,58,410 books.

The Internet access facility provided for exclusive use to research scholars at Research Floor in the Central Library is being utilized regularly by an average number of 25-30 scholars per day. Five new computer have been added. 50 new computers have also been added for students and staff

Holding of bound periodicals has been computerized. 20 old Air Condition has been replaced by same number of AC's on Research Floor.

Ratan Tata Library

The Library has been able to add a collection of 2,463 volumes in the last financial year with a membership of about 2,236 users and the circulation of more than 65,000 books.

The RTL has augmented its computing facility and unique e-library with 86 terminals to access various resources and also purchased one High End server. The Library has also updated its website with more value additions.

The orientation programme for various departments with special reference to e-resources has been taken up.

Central Science Library

The Central Science Library has been able to add a collection of 2,390 volumes in the last financial year with a membership of 3,237 users and the circulation of 2.15 Lakh books. The library has excellent setup of IT infrastructure for various IT related services. The Library continued to conduct the Information Literacy Programme and facilitated the e-mail service to its users. The Library has been able to provide the services to users of all faculties from science, social sciences and humanities. The library received and sent a number of documents / articles to and from different libraries in the country through JCCC. A number of computers and electronic equipments have been added to augment the computerized services by including the laser printers, LCD Printer, Scanners etc. It also has Books on CD's and DVD's.

South Delhi Campus

The South Delhi Campus Library has been able to add a collection of 1,990 volume in the last financial year with a membership of 1,370 users and the circulation of about 19,926 books. The library has completed the computerization process by having the bibliographical data of books and holding data for bound volumes of periodicals. The Library has also upgraded its website, has set up an e-resource centre, placed extensive signages across the library, completed the bar coding of books and organized the orientation programme. The Library has CD-ROM, Supplementary Reading materials and previous years question papers in its digital collection. A dedicated reference desk for providing service to users is operational.

DELHI UNIVERSITY SOCIAL CENTRE CO-ED SCHOOL

Delhi University Social Centre Co-ed Secondary School is becoming one of the premier schools in the neighbourhood. The school started in 1945 at the behest of Sir Maurice Gwyer. From 1964, the school gets 95% aid from Delhi Govt. and 5% from Delhi University that has also provided a modern school building.

The Managing Committee of the school consists of 15 persons. The present Chairman and Manager are Prof. Kashi Ram Sharma (Retd. Professor, Dept. of East Asian Studies), and Prof. Najma Siddiqi (Former Head & Dean, Dept. of Education, University of Delhi) respectively.

Activities in the academic session 2014–15: The school has strength of more than 550 students. The result of class X has improved qualitatively and quantitatively, and is a commendable 100% in the current academic session. A good number of students have procured first division. Remedial classes or extra classes were arranged for Maths, Science and English for class X students.

Following functions were celebrated during 2014-15: Independence Day, Children's Day, Red Cross Day, Republic Day, Earth Science Week in April 2014.

Seminars/ Workshops/ Activities

Orientation programme for parents, Girl Child Care, Mock Drill to create an awareness of natural disasters, Computer Workshop, Legal Literacy, Gandhi Bhavan programmes, Flower Show, Sports, Yoga, Drawing, and Debate competitions. Students won National Prizes (Taekwando) and actively participated in Zonal Competitions. An excursion was arranged to Akshardham Temple.

Financial support: Students were provided money for books and uniform with the support of the Directorate of Education. SC, ST, OBC and Minority students were provided scholarships and stationary for meritorious performance.

DELHI UNIVERSITY SPORTS COUNCIL

Activities and Achievements

Under the dynamic leadership of Chairman, Delhi University Sports Council, Inter College activities were conducted in 57 Games and Sports for Men and Women. Coaching Camps and selection of University of Delhi Teams were conducted for North Zone and All India Inter–University Tournaments for Men & Women. The University of Delhi participated in 64 disciplines in North Zone and All India Inter–University (M&W) Tournaments organized by Association of Indian Universities in which 612 players (M&W) represented the university. The Sports Council organized the following Inter University Tournaments 2014-15 which were highly appreciated.

North Zone Inter- University Cricket (M) Tournament

In October, 2014, 43 teams participated. The Tournament was played at SGTB Khalsa College, Netaji Subhash Institute of Technology, Swami Shraddhanand College, Sri Guru Gobind Singh College of Commerce, PGDAV College, Sri Venkateshwara College, Shivaji College, Lakshmbai College and Bharat Nagar Cricket Ground, Ashok Vihar.

All India Inter University Softball (M&W) Tournament

February and March, 2015, in which 62 teams for Women and 70 teams for Men participated. The Tournament was played at Netaji Subhash Institute of Technology, and Rugby Stadium, University of Delhi.

Honours/Distinctions

Ms. Apurvi Chandela, student of Delhi University won Gold Medal in Shooting in Commonwealth Games 2014 at Glasgow (U.K.) in July, 2014. A reigning National Champion of 2014 she won Bronze Medal in 7th Asian Shooting Championship at Kuwait in March, 2014. She also won One Gold, One Silver and One bronze Medal in 37th Inter Shoot Championship at The Hague, Netherland. She represented India in Shooting in 17th Asian Games at Incheon, South Korea in September, 2014.

Ms. Rishika Sunkara represented India in Tennis and secured Fifth position in 17th Asian Games at Incheon, South Korea in September, 2014. She also won Bronze Medals in Women's Singles and Women's Doubles in 35th National Games held at Kerala in February, 2015.

Ms. Manika Batra represented India in Table Tennis and secured Fourth position in Women's Doubles and was quarter finalist in Women's Singles in Commonwealth Games 2014 at Glasgow (U.K.) in July, 2014. She also represented India in Table Tennis in 17th Asian Games at Incheon, South Korea in September, 2014. She won Gold Medal in Women's Doubles in 35th National Games held at Kerala in February, 2015.

One Hundred and Eleven (111) players brought laurels to the University of Delhi in North Zone and All India Inter-University Tournament (M&W) with Gold Medal/s in Table Tennis (M&W), Baseball (W), Softball (M), Cricket (M), Chess (M/W), Tennis (W), Badminton (W), Athletics (M), Weight Lifting (M), Best Physique (M), Aquatics (M&W) Shooting (M&W), Judo (W), Taekwondo (W) and Boxing (W).

One Hundred and Three (103) players won Silver Medal/s in North Zone and All India Inter-University Tournament in Aquatics (M&W), Judo (W), Cricket (M), Baseball (M), Squash Racket (M), Gymnastic (M), Boxing (M), Cycling (M), Shooting (W), Basketball (W), Softball (W), Football (W) and Yoga (W).

Sixty Eight (68) players won Bronze Medal/s in North Zone and All India Inter-University Tournament in Chess (M/W), Tennis (W), Shooting (M&W), Aquatics (W), Judo (M&W),

Taekwondo (M&W), Best Physique (M), Gymnastic (M&W), Wrestling (W), Boxing (M&W), Tennis (M), Basketball (M) and Cricket (W).

Other Significant Information

Delhi University Men's Hockey team visited the University of Edinburgh for advance Training and Competition in August, 2014, Edinburgh (U.K).

At Antardhvani 2015, the Sports Council organized the Valedictory function along with a Kabaddi Match between Vice Chancellor's Seven and Principal's Seven. Teams comprised of Delhi University's Teaching and Non-Teaching Staff. Vice-Chancellor's Seven won the game. At the Valedictory programme, renowned Sportspersons who had represented India at International / National and Inter University Competitions as students of Delhi University were honoured. A display of Rhythmic Gymnastics was also performed along with Judo and Taekwondo demonstration.

DELHI UNIVERSITY WOMEN'S ASSOCIATION

Delhi University Women's Association (DUWA) is a social welfare organization registered in 1964 with the aim of promoting and undertaking social, cultural, recreational, educational and economic activities for the benefit of women in and around Delhi University. DUWA was started by Dr. Durgabai Deshmukh, a social activist, a great visionary and wife of the then Vice Chancellor Prof. C. D. Deshmukh.

Programmes and Activities

The Mind Body Centre: Promoting the wellness of women students is the prime objective of this Centre which was inaugurated by Prof. Dinesh Singh, Vice Chancellor, in February 2014. As problems of the mind and body are interconnected, they need attention in a holistic manner with the expertise of physicians, naturopaths and counselors. In addition to free consultation with the experts, the practice of yoga and acupressure techniques is also used.

Play Schools: DUWA runs two pre-schools, Durga Bai Deshmukh Balwadi and Usha Ganguly Sishu Vihar, established in 1966 and 1967 respectively, to promote intellectual, emotional, social, aesthetic and physical development of a child. The Balwadi is meant for children from economically weaker sections and they are given free nutrition. About 200 children are enrolled in both the schools.

Sahyog programme helps school students of standards I-XII from the neighborhood with the objective of improving their academic performance. In this tuition support programme, the children are served nutritious snacks and health drinks. Classes are held six days a week from 3-5 pm., and there are about 40 children enrolled.

Vaatsalya: This childcare programme is meant to support working mothers from Delhi University with the objective of reducing their stress relating to their children's wellbeing. The day-care facility is for the age group of 6 months to 6 years. 40 children are admitted to this facility.

Women's Hostels: DUWA established the working women hostel Sri Sadan to commemorate the International Women's year in 1975 for the benefit of the single women teachers of Delhi University and its affiliated colleges. The other two hostels, Old DUWA Hostel and New DUWA Hostel provide accommodation to M.Phil and Ph.D students. There are about 36 residents in the hostels with a full-time warden.

Drishti Programme addresses the needs of the visually challenged students of Delhi University. Members read out and record lessons, arrange study material and provide emotional support.

Jagriti: Recognizing the growing incident of cancer among women, this programme strives to spread awareness among the students through organizing lectures, discussions, screening camps, street plays, and other activities.

Souvenir Shop, launched in November 2014 to commemorate DUWA's Golden Jubilee Celebration was inaugurated by Prof. Dinesh Singh, Vice Chancellor. The primary purpose is to promote the DU brand and to simultaneously inculcate a sense of pride and belonging amongst the students and other members of the DU community. The design and sale of the souvenirs is managed by DUWA members. There has been a great demand for items such as folders, sweatshirts, bags, pens, key chains, mugs, etc.

Computer Literacy Programme: A four-month computer course is conducted to impart basic knowledge that includes MS-Word, Excel, PowerPoint, Access and Internet. The aim is to equip girls with efficient computer skills.

Language familiarization Programme: DUWA is taking the initiative of conducting free short term language familiarization courses for DUWA members, DU staff, faculty and students. The programme started with a three months course of Chinese Language.

Golden Jubilee Celebration: DUWA's Golden Jubilee was celebrated over four days from 20th to 23rd November 2014. It began with the Souvenir shop being inaugurated by Vice Chancellor, Prof. Dinesh Singh. Wellness programme for Mental Health awareness was conducted by the staff of the Mind Body Centre and Ms. Shifa Haq from Ambedkar University. On 21st November there was a winter carnival with the participation of non-profit organizations from Delhi. On 22nd November, Dr. Shanti Hiranand gave a vocal classical performance at which Dr. Uma Tuli, Padma Sri awardee and the Founder of Amar Jyoti Trust, was the Chief Guest. On 23rd November, a cultural evening performed by members of DUWA was followed by a dinner hosted by Delhi University.

Participation in Antardvani: Like every year, DUWA actively participated in Antardhvani in February 2015. Four stalls were put up: Food Court, Good Practices, DU Souvenirs and Saplings.. DUWA won a prize of Rs. 1,00,000/- in the special category for its Good Practice stall.

DIRECTORATE OF HINDI MEDIUM IMPLEMENTATION

The Directorate of Hindi Medium Implementation published several books including *Prachin Evam Madhyakaleen Bharat Ka Rajneetik Chintan* by Dr. Ruchi Tyagi, and *Bisween Satabadi ka Vishwa Itihash* by Dr. Sneh Mahajan. It reprinted approximately 50,000 copies of the fast selling titles such as *Madhyakaleen Bharat Part 1 & II*, *Azadi ke bad ka Bharat*, *Bharat ka Swatantrata Sangharsh*, *Prachin Bharat Ka Itihash*, etc.

The DHMI took part in the World Book Fair held in New Delhi at Pragati Maidan from February 14-22, 2015 and had a sale of Rs. 3,40,000/- and got orders worth Rs. 2 lakhs . It also participated in the Book Exhibition at Music Faculty of Delhi University and Indian History Congress at Jawaharlal Nehru University in 2014-15.

The academic staff including the Director, Dr. Asha Gupta, participated in the two-day workshop organized by the Delhi University Library System on "Information Literacy and Competency". Mr. S.S. Mishra, Assistant Director also took part in the two-day workshop organized by the NCERT on the development of reading material for visually challenged students.

At the national and international levels, Dr. Asha Gupta, Director, DHMI, participated at various conferences:

Published a chapter on the 'Emerging trends in private higher education in India: some reflections' in the India Higher Education Report (IHER) for Centre for Policy Research in Higher Education (CPRHE), NUEPA, New Delhi (Forthcoming, Routledge, 2015).

Presented a paper 'Can BRICS help in uplifting the global south?' at the ISA Global South Caucus Conference (GSCIS) on "Voices from Outside: Re-shaping International Relations Theory and Practice in an Era of Global Transformation", held at Singapore Management University, Singapore, January 8-10, 2015.

Presented a paper, 'Militarizing international relations' at the XXIII IPSA World Congress held at Montreal, Canada, July 19-24, 2014.

Submitted a paper 'Reshaping economic and political governance: role of the BRICS' at the FLACSO-ISA Conference on "Global and Regional Powers in a Changing World" held at the School of Economics, University of Buenos Aires, Argentina, July 23-25, 2014.

Submitted a paper on the 'Role of BRICS: Lessons for Rwanda' at the 2nd International Conference on "Democratic Governance in Africa, Asia and Middle East" held in Kigali, Rwanda, June 25-27, 2014.

Dr. Asha Gupta, Director, DHMI was re-elected the Convener of Research Committee 39 of International Political Science Association on Welfare State and Welfare Society at IPSA World Congress held at Montreal in 2014, for next 6 years.

FOREIGN STUDENTS REGISTRY

In the academic year 2014-2015, the office of Foreign Students Registry provided academic guidance and cultural spaces to 1184 foreign students who chose multiple courses ranging from certificate to Ph.D programmes at the University of Delhi. The pattern was set during the admission process in June 2014 when incoming foreign students were acquainted with the academic profile of their institution. Enrolment procedures were followed up through an Orientation Programme on 9th September, 2014. On this occasion, Professor Dinesh Singh, Vice Chancellor welcomed the foreign students and encouraged them to integrate with the Indian students and, reciprocally, teach them about their own cultures too. He also invited 100 students on the eve of Diwali on 23rd October, 2014 for an interactive session. The participants could share their ideas with the invited dignitaries and also learn about festivals of India.

The academic year saw participation of students in events connected with cultural, national and global identities. Thus, the celebration of Sardar Patel's birthday on 31st October, 2014 as "Unity Day", and International Students Day on 17th November, 2014 as "Shikshit Bharat , Saksham Bharat- Quality Education for All" saw an overwhelming response.

The most awaited academic and cultural annual event of University of Delhi has been Antardhvani. From 20th to 22nd February, 2015 there was large participation by foreign students through the International Plaza with stalls showcasing history and cultural dimensions of many countries. For three days, lively music, song and dance performances were interspersed with country based quizzes, and display of artefacts. Through these celebrations foreign and Indian students came together as a community. This was evident during their participation in the SAARC conference held on 10th December, 2014 as well.

The Foreign Students Registry maintained close links with Embassies, ICCR, various departments and colleges and immediately addressed and resolved issues connected with enrolled students. Steps were taken to facilitate visa extensions where required. It also provided support for medical care of students in International Students House of Women & International Students House.

GANDHI BHAWAN

Activities and Achievements

Organized at Gandhi Bhawan, the Open House held every Thursday, 'Meeting with the Vice Chancellor' addresses grievances from students, teachers and non-teaching employees of the University of Delhi.

On Gandhi Jayanti, 2nd October 2014, Vice Chancellor, Prof. Dinesh Singh, flagged-off the Swachhata Abhiyan in the University of Delhi. Other programmes included: (i) Skit and bhajans by the Gandhi Study Circles of different colleges, (ii) Khadi sale counter by Khadi Ashram, Kamla Nagar, Delhi and (iii) Sale Counter by Masoom Special School (Masoom Foundation Regd. NGO), Timarpur, Delhi. On October 17, 2014, a Poster making and Slogan writing competition on the theme 'Peace' was organized. Films/ Documentaries were screened- 'Gandhi, The Path of Nonviolence', 'The making of the Mahatma' and 'Gandhi ek Jivani' from 27-30 October, 2014.

24 December 2014. To mark the birth anniversary of Shri Atal Bihari Vajpayee, former Prime Minister of India, Good Governance Day was observed with a seminar on 'Use of Technology and Innovations in promoting Good Governance'. On the same day an Oratory competition was held on the topic 'Role of Technology in promoting Good Governance'.

The project 'Naming the Trees of the Core Campus' was initiated by Dr. Sushma Moitra, Department of Botany, Miranda House on 12.5.2015. She submitted a detailed report with pictures of identified trees

On-going programmes

Gandhi Bhawan's regular programmes continued to be well attended: Yoga Classes, Gita Discourse, Gandhi Study Circles, Gandhi Reading Session, Charkha Spinning Certificate Course, short-hand and typing in Hindi.

Gandhi Study Circles in many colleges remained highly active, such as at Zakir Husain Delhi College, Bharti College, St. Stephen's College, Shyam Lal College (E), P.G.D.A.V. College, and Miranda House.

Free Legal Aid Clinic continues in collaboration with DSLSA.

Special mention

12.8.2014. Gandhi Quiz on the Autobiography of Mahatma Gandhi.

19.8.2014. Creative Writing Competition (bilingual) for college students, on the topic 'There is a higher court than courts of justice and that is the court of Conscience' – (Mahatma Gandhi) .

26.8.2014. Creative Writing Competition on the topic 'Morality is rooted in the purity of our hearts – Mahatma Gandhi', for the non-teaching employees.

A week of films and documentaries from 25 to 29 August 2014 in which were shown 'Maine Gandhi ko nahin maara', 'The Making of the Mahatma' by Shyam Benegal, 'Gandhi My Father' by Feroz Abbas Khan, 'Gandhi an Emerging Reality' - Films Division and 'Gandhi en Mexico' by Sonia/Taveunam.

2.9.2014. Creative Writing Competition on the topic 'Man's happiness really lies in contentment' (Mahatma Gandhi) for M. Phil. and Ph.D. students.

9.9.2014. Debate Competition on the topic 'Woman is the companion of man gifted with equal mental capacities'-- (Mahatma Gandhi).

16.9.2014. Poetry writing competition (bilingual) on 'Humility'.

31.10.2014. Programme on birth anniversary of Sardar Vallabh Bhai Patel.

24-25. 11. 2014. Several programmes on Communal Harmony.

15.12.2014. Programme by Dr. Sita Bimbrahw on 'Bapu ke guru Kabir'.

9.1.2015. Lecture by Dr. K. K. Jha on 'Stress Relieving through Yoga and Naturopathy'.

16.1.2015. "My Understanding of Rashtriya Ekta" – a Round table Session for students.

21.1.2015. Competition on Bhajans of Mahatma Gandhi for the students of Delhi University.

30.1.2015. The Martyr's Day programme was held at Gandhi Bhawan at which members of the University fraternity paid their tribute to Gandhi ji, especially the students of CIE Basic School, Maurice Nagar School and DUWA – Usha Ganguly School.

3.2.2015. Painting Competition on the theme of 'Peace' was organized for the students from CIE Basic School, Maurice Nagar School and DUWA – Usha Ganguly School.

20.2.2015. Inter-faith prayer meeting was organized at Gandhi Bhawan.

20-22, 2. 2015. Gandhi Bhawan participated in Antardhvani through stall displays and activities.

16-17.3.2015. Paralegal Volunteer (PLV) Training was organized for the students of Delhi University in collaboration with Delhi State Legal Services Authority, Patiala House Courts, New Delhi.

18.3.2015. Programme 'Gandhi Ji ke Priye Bhajan' was organized in collaboration with Prasar Bharati - All India Radio, Ministry of Information & Broadcasting, Govt. of India.

GARDEN COMMITTEE

Development of New Lawns and Gardens.

- Development of Lawns at D-14 Maurice Nagar, C-1, Maurice Nagar, C-7, Maurice Nagar, C-17, Maurice Nagar, D2/1 Maurice Nagar, DUWA Near Main Office, DUWA Near DUWA Shop
- Landscape work at both sides of Gate No. 4, Chhtara Marg, and at the back of Faculty of Mathematics
- Renovation of Lawn at Professor C.D. Deshmukh Park.

Awards and Trophies:

The Garden Committee participated in the Annual Flower Show organized by the Indraprastha Horticulture Society, Delhi, and won the following trophies.

1. V.C.'s Terrace Garden - Pushpanjali Welfare Association Rolling Trophy
2. Mughal Garden – Sri Manoranjan Kumar Rolling Trophy
3. V.C.'s Residence Garden – IAHS Rolling Trophy
4. Professor C. D. Deshmukh Park – Abhishek Rolling Trophy

Painting Competition for School and College Students.

A painting competition for college and school students under different age groups was organized on 14th February 2015 from 10.00 a.m. to 1.00 p.m. at the Sports Complex, University of Delhi. Nearly 800 students participated in the event.

57th Annual Flower Show was held on 20th February, 2015 at the Sports Complex, It was inaugurated by the Chief Guest, Member of Parliament (Rajya Sabha) Dr. Chandan Mitra, and Guest of Honour, Professor Glyn Davis, Vice Chancellor and Principal of University of Melbourne, Australia, accompanied by Vice Chancellor, Prof. Dinesh Singh. Various activities such as Botanical Quiz, Stalls for Garden Tools and Medicinal Plants were organized. More than 50000 visitors came to the show. About 100 running cups/trophies were awarded and several cash prizes were distributed to the Malis/exhibitors.

Delhi University Women's Association displayed various horticultural items at the Flower Show under the leadership of Dr. Neelanjana Singh, President, which was much appreciated by visitors.

UNIVERSITY GUEST HOUSE

The new Managing Committee of UGH with the following Members organized the activities in the session 2014-15:-

- | | |
|-----------------------------------|--------------------|
| 1. Professor Shrimati Chakravarty | : Chairman |
| 2. Ms. Parminder Sehgal | : Member Secretary |
| 3. Professor Anand Prakash | : Member |
| 4. Professor Roma Chatterji | : Member |
| 5. Professor Avinashi Kapoor | : Member |
| 6. Sh. Sudhir Sharma | : Member |

Services:-

- Outdoor Catering to University offices
- Indoor Catering to University officials and guests was provided to about 300 persons.
- Lunch to University officials and their guests on payment with prior information to the Manager, UGH.

New initiatives:-

- Students in the Internship Programmes were mentored by Member Secretary, UGH and worked on various aspects, including cleanliness drive.
- Rearrangement of furniture and rewiring of electrical accessories in the guest rooms
- Uniforms provided to all cadres working in the guest house.
- Committee Room 2 on the first floor was reorganized for guests to use.
- Additional CCTVs for better footage and enhanced security.

Cleanliness Drive and Maintenance:-

- Garbage Bins were placed at different locations in the guest house to ensure cleanliness.
- Removal of extra furniture from the rooms
- Replacement of water pipes in washrooms and shafts. Sanitary fittings were replaced in phases to help keep the washrooms clean.

- Whitewash of required areas on regular basis.
- Major garbage in common area of the UGH and PG Men's Hostel was cleared.
- Store rooms were cleaned and reorganized with proper record keeping.
- Record of old, unused stock was prepared for disposal by the committee.
- Cleanliness and Hygiene in the kitchen was emphasized repeatedly.

In the above, UGH was greatly assisted by the Engineering Branch of the University of Delhi.

Catering Arrangements:-

- Special catering arrangements (Lunch/Dinner/High tea) were provided to approximately 15,400 persons on account of conference, seminars, meetings, retirement parties, get-togethers etc.

INTERNATIONAL GUEST HOUSE

The new Managing Committee took the charge of IGH w.e.f. 21st April, 2014 with the following Members:-

1. Professor Sumanyu Satpathy	: Chairman
2. Dr. Anju Gupta	: Member Secretary
3. Professor Anand Prakash	: Member
4. Professor Roma Chatterji	: Member
5. Professor Avinashi Kapoor	: Member
6. Sh. Sudhir Sharma	: Member

The following improvements/infrastructure developments/new additions have been done during the year 2014-15.

Services:-

Work for the installation of a lift was started.

New facilities and amenities:-

Replacement of vertical blinds with cloth curtains at Lounge/Reception/Chairman's office and Conference Hall.

Replacement of upholstery at Lounge.

Purchase of one Dell Laptop.

Purchase of one Microwave.

Cleanliness Drive

Cemented Garbage Bin was built for better cleanliness of the IGH area.

Engagement of Sulabh International for Housekeeping and Sanitary Work.

Removal of extra window air-conditioners from Lounge and Dining Hall.

Replacement of broken floor stones.

White-wash of Lounge/Dinning Hall/Conference Hall/Staircase/Gallery and some guest rooms.

Cleanliness committee is also constituted by the IGH

Guest Rooms

Services in the rooms:-

Electric kettles provided in all rooms

Replacement of sanitary fittings in all guest rooms

Towel stands provided in all rooms

Provision of Deluxe Room:-

Refurnishing of One Deluxe Room 106 D.

Anti-termite measures: taken every two-three months.

Catering Arrangements:-

Special catering arrangements were provided to 366 requests for Lunch/Dinner/Hi-Tea/Conferences/Meetings/Seminars during the said period.

Room Accommodations:-

During the period 1091 persons were provided accommodation and meals. Most of the guests staying at IGH are foreign nationals and all the guests expressed satisfaction with the services.

NATIONAL CADET CORPS

Around 4684 boys and girls cadets were enrolled in the NCC Units in various Colleges.

Activities listed below were organized centrally:

1. Pulse Polio Immunization: 27th April 2014
2. Swach Bharat Abhiyan- on going
3. No Tobacco Day: 31st May, 2014
4. Awareness Run against Drugs: 26th June, 2014
5. Senior Citizen's Day
6. Flag Hoisting Ceremony: 15th August, 2014.
7. Cheshire Home Founder's Day: 7th September, 2014.
8. Remembrance Day Service: 9th November, 2014
9. Blood Donation Camp: 22nd November, 2014
10. Tree Plantation: 23rd November, 2014.
11. Disaster Management: 24th November, 2014.
12. 25th Yamuna Shramdan: 14th December, 2014
13. Walk Cyclothon: 31st January, 2015
14. Prime Minister's Rally: 27th January, 2015.
15. Republic Day: 26th January, 2015
16. Antardhvani: 20th February, 2015.

NATIONAL SERVICE SCHEME

General Election 2014

Under the aegis of Department of Disability Affairs, Govt. of India and Pt. Deen Dayal Upadhyaya Institute for the Physically Handicapped, 142 NSS volunteers from colleges including NSS Centre Staff became part of General Election-2014 process for facilitating the voters with disabilities.

Cleanliness Drive

As part of the endeavour to keep our campus clean and hygienic, NSS Centre with NSS volunteers actively rendered their services in Swachhata Abhiyaan launched on 2nd Oct. 2014.

Republic Day Parade

After going through a tough selection process NSS volunteers Ms. Monika from IP College and Mr. Manoj Kumar from PGDAV College (Eve.) participated in the Republic Day Parade at Rajpath, New Delhi.

Antardhvani 2015: Annual Academic and Cultural Festival

NSS volunteers from colleges of DU provided services at Antardhvani Festival of the University of Delhi from 20th - 22nd Feb. 2015. Along with demonstrating social service activities, the NSS stall emphasized issues such as civic cleanliness and women's safety.

Sound and Light Show 2015 and Special Days

NSS volunteers managed the Sound and Light Show of the University of Delhi organized from 10th to 14th March 2015. Programmes listed below were managed by student volunteers of 63 colleges:

1. General Election 2014: 10th April 2014
2. Foundation Day 2014: 1st May 2014
3. Cleanliness Drive: 2nd October 2014
4. Ekta Diwas: 31st October 2014
5. Republic Day Parade: 26th January 2015
6. Antardhvani 2015- DU Academic & Cultural Festival: 20th to 22nd February 2015
7. Sound and Light Show: 10th to 14th March 2015
8. Two major activities, Women safety and Cleanliness drive in campus were carried out by all 63 units.

NON-COLLEGIATE WOMEN'S EDUCATION BOARD (N.C.W.E.B.)

NCWEB was established in September 1944 under DU Act 1943. The Board facilitates students to study courses and take examinations without attending regular classes. NCWEB has emerged as an important academic option for women. The Board had started with 3 students and at present has 16161 students. They are studying UG courses at 13 Teaching Centres at colleges and institutions within Delhi and PG courses at a Centre situated in Tutorial Building, Arts Faculty. In the year 2014-15, there are 9903 students in B.A. (Part-I, II and III), 5782 in B.Com (Part-I, II and III) and 476 in PG course (total 16161). 528 guest lecturers were appointed for taking classes. For PG students 40 Associate Professors/Assistant Professors had been appointed recommended by the Heads of the Departments.

NCWEB imparts 50 days of teaching during the academic year.

Teaching Centres, 2014-2015

Bharti College, Hansraj College, Janaki Devi Memorial College, Jesus and Mary College, Kalindi College, Lakshmibai College, Maharaja Agrasen College, Mata Sundri College, Maitreyi College, PGDAV College, SPM College, Guru Gobind Singh College of Commerce, Vivekananda College, NCWEB, PG Teaching Centre.

Highlights

Vice Chancellor, Prof. Dinesh Singh, launched NCWEB's first e-magazine in April 2015.

Classes beyond the curriculum include English Language Proficiency Course (in collaboration with ILL) and Vedic Maths workshops.

NCWEB provided financial aid to 680 students out of 902 students who had applied. 370 books have been provided to needy students.

Students participated in debate, Q and A, creative writing competitions in their respective teaching centres. Opportunity for cultural activities like mehendi designs, painting, music, plays, games etc. were also plentiful. Cultural programme was held on 21st March, 2015.

NCWEB felicitated UG students who had secured first 3 positions, and 155 students who had secured 100 % marks in a subject.

NCWEB sent 17 students to join the Gyanodaya Express.

Antardhvani stall portrayed hand painted posters with themes relating to environment, women's education, child safety, maternal health.

OFFICE OF ALUMNI AFFAIRS

In continuation of the previous year, the immense talent, accomplishments and achievements of DU alumni across continents was documented further. The alumni database has been considerably enlarged through enhanced strategies for reaching out. Alumni Factsheets, acquired from multiple sources, have resulted in a broad compilation of about 15,000 names and constant effort is made to update and collate the data. The Alumni Resource Bank represents 10 broadsets of Corporate, Media, Sports, Culture, Professional, Literature, Legal, Civil Services, Academic and Eminent Public Persons. Resource Pools and avenues are explored to ensure a “meaningful, fulfilling DU – Alumni Dynamic” to benefit both alumni and the University of Delhi.

The DU Alumni Association (DUAA) continues to play its statutory role in University decision making and elects its representatives to The Court, EC and Finance Committee. Ten representatives were elected to the DU Court for a 5 year term beginning February 2013 : Dr. Anil Sardana, ILO consultant, and corporate lawyer Michael Dias, Supreme Court Advocate Gautam Banerjee, Siddharth Mishra who is Director Consultant Centre for Reforms Development and Justice, Dr. Gauri Kapoor, Director, Rajiv Gandhi Cancer Institute and Research Centre, Surinder Kumar who serves on the Finance Committee, Hari Shankar, Sanjeet K Singh, Virendra Agarwal and JL Gupta.

RESEARCH COUNCIL

Innovation Projects 2013-15

The scheme of Innovation Projects, a highly successful venture of the University of Delhi is a unique scheme of promoting undergraduate research in colleges and inculcating innovative thinking in students. 239 research projects by 2500 college students and 750 faculty members of colleges of the University have shown promising outcomes that have resulted in 112 research publications, 9 books and 6 patents. 27 projects were shortlisted for interaction at the University-Industry Interface at the Innovation Plaza during the Antardhvani festival 2015 and have received the award for Best Innovative Ideas. 42 projects won the award for Best Displays in 8 broad themes- Digital World, Scientific Arena, Cultural Diversity, Economic Development, Business Ideas, Environmental Issues, Social Welfare and Health Concerns.

The Innovation Projects were conceptualized by the Vice Chancellor. The scheme has helped college teachers to carry forward their research interests and given the students interdisciplinary exposure to research projects. Moving beyond the curriculum of a discipline based syllabus, the scheme has encouraged analytical, IT and various soft skills in the students. It has also fostered new ways of

learning. The outcome of the projects may build prototypes for problem-solving in the community. Most projects conducted field trips, seminars and workshops. The hands-on approach drew attention to real life problems and got the youth to understand the challenges faced by society. Newspapers have periodically carried reports of the work done. The outcomes are also being displayed at the Innovation Plaza at Antardhvani, the Annual Academic and Cultural Festival.

Teaching Excellence Awards

91 teachers received Teaching Excellence awards for their work leading to innovation and potential industrial application from the Innovation Projects

Innovation Projects, an Undergraduate Research Initiative of the University of Delhi- Book by Research Council

The book gives a brief description of the projects and outlines the significant outcomes of the Innovation Projects of the second round. The readers get an overview of the range of ideas supported by University of Delhi and the promise such initiatives carry into the future. It is very encouraging to see 112 research publications, 9 books and 6 patents resulting from the programme.

Research Profile 2015 – Monograph by Research Council

The Research Profile is an amalgamation of information related to research, development and achievements, thereby setting high standards for the University. It records awards and honours to the faculty, ongoing research, various grants of the University and from extramural sources, Undergraduate Research Initiatives, publications, DU research journals, innovations, patents, global research links, doctoral studies, fellowships, research facilities, scholarships, travel grants and major areas of research.

DST PURSE Grant

The University of Delhi has been sanctioned Rupees 40.8 Crores as DST PURSE Grant. This is the highest amount from amongst 14 selected recipients of the grant for research in the university sector. The grant is recognition based on significant increase in total number of publications and improved performance in publications with h-index values.

The first installment of Rs 7.50 crores was released in 2014 and 20 departments benefitted from it.

Research and Development Grant

The Research and Development (R&D) Programme has been instituted by the University of Delhi to strengthen the research programmes of the Departments. As a result of such encouragements, the h-index of the University of Delhi has risen to 91, which is the highest among all Indian universities. R&D funding has immensely empowered the teachers desirous of continuous engagement in research. Teachers of science departments are given up to Rs. 3.0 lakhs each and those of non-science departments up to Rs. 1.5 lakhs each based on the quality of projects submitted by them.

337-department faculty members have been released R&D grants of a total of Rs 6.8 crores for the year 2014-15.

Research Publications

According to Scopus database, the faculty of University of Delhi has published 1353 research papers in high quality journals in 2014 and 513 in 2015 so far.

Research Projects 2014-15

On-going projects in major research projects category is 158 with a total funding of Rs 105.97 crores

On-going projects in minor research projects category is 105 with a total funding of Rs 33.77 crores

Extramural Funding received from the funding bodies

The grant agencies from India and abroad from where the University of Delhi receives extramural funding are DBT, DST, IFICAR, UGC, MOEF, IAEA, ICAR, DRDO, CSIR, MOES, ICMR, MNRE, World Bank, TERI, Indo-USSTF, GAIL, IUAC, ICSSR, USA, MCIT, NUST, Univ. of Norway, Univ. of Turkey, ISRO, SDTT, Vigyan Prasar, SERB-DST, Japan Foundation, SEWA-THDC, MOSJ&E, DAE, MWCD, INSA, TISS-DU, Leverhulme Trust UK, ICHR etc.

The Delhi University Journal of Undergraduate Research and Innovation

The Delhi University Journal of Undergraduate Research and Innovation, an initiative of University of Delhi is the first of its kind for reporting quality research at the undergraduate level in India. It has been instrumental in encouraging young minds to develop creative as well as analytical thinking and inculcating a research culture in colleges. The Journal provides an apt platform for reporting significant processes as also various innovative outcomes that can bring desirable social change.

The first issue has 22 Science articles while the second issue has 26 Humanities and Social Sciences articles. Details are available at <http://journals.du.ac.in/ugresearch/>

Innovation Club

The Innovation Projects and their activities have also been considered for monthly reporting. The displays at Antardhvani, any innovations and activities reported with University-Industry Interaction have formed part of the Innovation Club. The activities of the club include a proposed web page for information sharing, inviting proposals, setting up a discussion board, chat room, blog space etc. Occasional talks by industry leaders will urge critical thinking and build supportive networks. Requests have been received for conducting short-term courses in proposal writing, entrepreneurship, start-ups, digital enterprises etc.

Inspired Teachers Network

University of Delhi promotes interdisciplinary research at the undergraduate level through the Innovation Project scheme. The faculty members (814 for the second round) who have actively participated in the scheme and been promoting the culture of innovation amongst students, are also building up creative thinking and analytical abilities. They have been considered to be a part of the Inspired Network and the activities have been reported as part of the Inspired Teachers Network.

Shodhganga Project

The University of Delhi has signed a Memorandum of Understanding under the Shodhganga project with UGC-INFLIBNET. Shodhganga is a repository of Indian Electronic Thesis and Dissertations that requires compulsory submission of the thesis online.

The University has issued guidelines for submitting plagiarism reports to the library and examination branch before submission of Ph.D. theses. An ETD lab is being set up so that theses can be uploaded on Shodhganga without delay.

Vice Chancellor's Student Fund

This Fund is created to help deserving students admitted in colleges and courses under various categories. Support given for 2014-15 is mentioned below:

Financial Assistance/Scholarship to APL/BPL students- 3206 students paid a total amount of Rs 32,37000/-

Financial assistance to NCWEB students- Rs 20,40,000/-

Financial assistance for economically disadvantaged students for payment of hostel fees- Rs 89,106/-

Financial assistance for attending International Conference/Events – 30 students given travel grants.

IPR Cell and Patent Fund

The Intellectual Property Rights Cell became operational at the Research Council in 2014 to facilitate patent filing and maintenance. The guidelines for patent filing and collaborative research were also approved by the Academic and Executive Council. A patent fund was set up for the University teachers.

Doctor of Philosophy Degrees in different Faculties

The doctoral degrees, total 644, awarded for the year 2014-15 for various faculties are as follows:

S.No.	Faculty	No.
1.	Faculty of Arts	148
2.	Faculty of Science	190
3.	Faculty of Law	06
4.	Faculty of Medical Science	24
5.	Faculty of Education	12
6.	Faculty of Technology	05
7.	Faculty of Social Science	64
8.	Faculty of Music	19
9.	Faculty of Mathematical Science	26
10.	Faculty of Management Studies	23
11.	Faculty of Inter-Disciplinary & Applied Science	86
12.	Faculty of Applied Social Science & Humanities	11
13.	Faculty of Commerce & Business	30

UNIVERSITY EMPLOYMENT INFORMATION AND GUIDANCE BUREAU

The Bureau administered by the Govt. of NCT is rendering support to the students of the University and others by registering them. The following table refers to the current position:

Sr. No.	Details	Description
1.	New Registration	133898
2.	No. of vacancies received	3652
3.	No. of employers filed requisition	368
4.	No. of candidates placed	459

UNIVERSITY PRESS

The University Press has taken various printing jobs, such as printing of Degrees, Mark Sheets, Answer Books, Prospectus, Yearly Review, Annual Reports of the University, Academic Council/Executive Council Minutes, Examination forms and several other items of the University and its colleges. Binding of various records and registers etc. of the University was also completed.

The Press Advisory Committee finalized the empanelment of printers. Accordingly 9 printers were empanelled with the University Press for different kind of printing jobs.

The number of jobs executed during the financial year 2014-2015 were 662 valued at Rs.2,76,77,584/- and 747 dockets were opened.

ACADEMIC CENTRES

AGRICULTURAL ECONOMICS RESEARCH CENTRE (AERC)

Activities and Achievements

Projects Completed for the Ministry of Agriculture, GOI

Dr. Usha Tuteja:

1. Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Haryana, March, 2015.
2. Profile of Uttrakhand (updated and revised), March, 2015.

Mr. Narinder Singh: Profile of Haryana (updated and revised), March, 2015 (earlier prepared by) Dr. D.S. Bhupal.

The following are the current major areas of research:

Dr. Usha Tuteja: Relationship between Wholesale Prices, Retail Prices, Export Prices of Basmati in Haryana.

Library Development

AERC library is a small research and reference library. During the financial year 2014-15 this library has utilized Rs.45391/- (approximately) for the purchase of books and journals in the field of agricultural economics and on allied subjects such as rural development, environment and trade etc.

Honours/Distinctions

Dr. Usha Tuteja Appointed external examiner to evaluate viva-voce examination for award of Ph.D. by the Forest Research Institute Deemed University, Dehradun.

Publication of Research Papers/Articles

Tuteja, Usha & Divya Tuteja “Implications of Growth and Instability in World Pulse Production and Trade for India.” Artha Vikas, No 122, Jan-Dec, 2014.

Tuteja, Usha & Subhash Chandra. “Impact of Emerging Marketing Channels on Stake holders: An Analysis of Horticultural Crops in Haryana.” Asia Pacific Journal of Rural Development, Vol. 24, July 2014, No. 1.

Meena, Vishnu Shanker. “Entitled demand and supply of institutional credit in Rajasthan.” Indian Journal of Economics and Development, 10. 4 (2014).

Kaise Karen Gwarpattha ka kum lagat per utpadan, Srishthi agro December, 16-December 31, Mumbai, 2014.

Perjivi Kharpatwaron ka Niyantaran, Kissan kheti, Ank 4 (October-December, 2014).

Conferences Attended

Dr. Usha Tuteja:

Participated in Food Strategy Summit organized by the Economic Times, Delhi and the Rabobank, July 10, 2014.

Participated in Seminar organized by the India Policy Forum and the NCAER, 15-16 July, 2014.

Participated in Panel Discussion on “Land Use” organized by the Society for Waste Land Development, September 24, 2014.

Participated in “Women Empowerment summit organized by the Economic Times, November 12, 2014.

Participated in Seminar on “Innovative Agriculture” organized by IFPRI and IEG in December, 2014

Participated in UGC – SAP – DRS, National Seminar, “Environment and Resource and Urban and Regional Planning “organized by the Development of Economics, University of Delhi, Delhi, March 20-21, 2015.

Dr. Vishnu Shanker Meena:

Participated in Seminar on “Strategies for Enhancing Production of Quality Spices for Domestic use and Exports” organized by SKNAU Jobner (Rajasthan) March 16-17, 2015 (abstract of the paper was published).

Miscellaneous Academic Activities

Dr. Usha Tuteja: Reviewed Study “Impact of Diesel/Power Subsidy withdrawal on Production Cost of Important Crops in Punjab” conducted by the Agricultural Economics Research Centre, Punjab Agriculture University, Ludhiana.

Reviewed study “Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Punjab” conducted by the Agricultural Economics Research Centre, Punjab Agriculture University, Ludhiana.

Reviewed Agricultural Statistics at a Glance for Oxford University Press, Delhi.

Appointed external examiner to conduct viva-voce for award of Ph.D by the Forest Research Institute, Dehradun, Uttarakhand.

CENTRE FOR DETECTOR AND RELATED SOFTWARE TECHNOLOGY

Activities and Achievement

The Centre was earlier involved in the major discovery of Higgs Boson in 2012 in the CMS Experiment at CERN, Geneva, Switzerland and in 2014 it continued its association with the CMS experiment.

Multi-strip Si sensors, which are designed, developed and fabricated in collaboration with BEL, Bengaluru were characterized at KIT, Germany. These are state-of-the-art detectors and are developed almost for the first time in India.

2 new PhD students have joined.

Research Projects with Inter Institutional Collaboration

“Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization”, Department of Science & Technology (DST), Govt. of India, Research Project; 2014-2019 (Rs. 9.99 Cr).

“Updating and Operation of Regional WLCG Grid System”, Department of Science & Technology (DST), Govt. of India; Research Project 2014-2019 (Rs. 25.30 lacs)

“R&D efforts by University groups for INO Project”, Department of Science & Technology (DST), Govt. of India.

“Indo Swiss Joint Research Programme - Personnel Exchange Program (ISJRP - PEP) with CERN Geneva entitled, "Radiation damage studies of silicon sensors"(completed)

Publications : 78

Conferences Organized/Attended

International

“Simulation of Silicon Devices for the CMS Phase II Tracker Upgrade” A. Bhardwaj, Ranjeet Dalal, R. Eber, T. Peltola, T. Eichhorn, K. Lalwani, A. Messineo, M. Printz, K. Ranjan, CMS note (DN-14-016)

“Development of Radiation Damage Models for Irradiated Silicon Sensors Using TCAD Tools” Ranjeet Dalal, A. Bhardwaj, R. Eber, T. Eichhorn, K. Lalwani, A. Messineo, T. Peltola, M. Printz, K. Ranjan, Poster, TIPP-2014 conference, 2-6 June 2014, held in Amsterdam. Netherland

“Simulation of Irradiated Si Detectors” Ranjeet Dalal, A. Bhardwaj, G. Jain, K. Lalwani, K. Ranjan, Invited Talk in VERTEX-2014, 15-19 Sept. 2014 Macha Lake, Czech Republic

“Simulations of Hadron Irradiation effects for Si Sensors Using Effective Bulk Damage Model” Ranjeet Dalal et. al., Oral presentation, 24rd RD-50 conference, 11-13 June 2014 Bucharest, Romania

“TCAD Simulations of Irradiated Si Sensors” Ranjeet Dalal et. al., Oral presentation, 25rd RD-50 conference, 19-21 Nov. 2014, CERN Geneva

National conferences -

Detectors and Reconstruction: International Workshop, “CERN Master classes”, A.Bhardwaj, A. Kumar, Jalandhar, Punjab, India.

Development and Characterization of ac-coupled Si strip detectors for Nuclear & High Energy Physics Applications, Geetika Jain, Ranjeet Dalal, Kavita Lalwani, Ashutosh Bhardwaj and Kirti Ranjan, Proceedings of the DAE Symp. on Nucl. Phys. 59 (2014)

Number of Ph.D./M.Phil. Degrees Awarded

Ph.D. : 2

Faculty Strength: All faculty members working in the Centre are recruited in the Department of Physics and Astrophysics.

CENTRE FOR ENTREPRENEURSHIP AND CAREER ORIENTED PROGRAM

Activities and Achievements

A four day workshop on PHP and Java Script in association with NIIT was organized by Department of Computer Science from 7th – 10th October, 2014.

A two day National Conference on “Understanding the Mechanism and Challenges of Complex Diseases (UMCCD 2014)” was organized by the Department of Biomedical Science on 29th and 30th December, 2014.

A two day National Conference on “Recent Trends in Instrumentation and Electronics” was organized by Department of Electronics and Department of Instrumentation on 5th and 6th January, 2015.

A one day inter college certification workshop on “Entrepreneurship Development Programme” in collaboration with National Institute for Entrepreneurship and Small Business Development (NIESBID), a premier organization of Ministry of Micro, Small and Medium Enterprises, Govt. of India.

CENTRE FOR GENETIC MANIPULATION OF CROP PLANTS

Activities and Achievements

The major activity of the Centre is to undertake research on genetic improvement of oilseed Brassicas through conventional and biotechnological approaches. Major financial support has come from the National Dairy Development Board (NDDB) and a DBT Centre of Excellence on genome mapping and molecular breeding in Brassicas. CGMCP has developed two CMS-based hybrids, DMH-1 and DMH-4 and one transgenic technology based hybrid, DMH-11. Hybrid DMH-1 has been released by the Ministry of Agriculture for commercial cultivation in mustard growing areas of north western India. DMH-4 is under testing in the All India Co-ordinated Trials and DMH-11 is undergoing bio-safety tests with funding from DBT under its BIPP programme. The lab is extensively engaged in research on genome mapping, gene tagging and marker-assisted breeding of several quality and yield component traits in *Brassica* species through the use of SNPs generated by transcriptome sequencing using next generation sequencing (NGS) techniques.

Research grants/other projects

Title	Funding Agency	Sanctioned
“Establishment of (a) Centre for Genetic Manipulation of Crop Plants (CGMCP) at the Department of Genetics, Delhi University South Campus and (b) Research Facilities at Mangolpuri for Genetic Engineering of Oil Seed Mustard / Rapeseed and Selected Vegetable Crops”	NDDDB	13,53,94,000.00
Centre of Excellence on Genome Mapping and Molecular Breeding of Brassicas	DBT (COE)	6,22,34,000.00
To conduct confined field trials and biosafety studies on genetically engineered Brassica juncea (Male sterility and restorer lines as pollination control mechanism) for heterosis breeding and yield improvement	DBT (BIPP)	8,00,00,000.00
Molecular mapping of QTL and candidate genes governing phytosterol content in winter oilseed rape (Brassica Napus) and Indian mustard (Brassica Juncea)	DST (INDO/GERMAN)	20,31,920.00
J C Bose National Fellowship	DST	68,00,000.00
Development of low sinapine mustard (Brassica juncea) lines through antisense and RNAi technology	DBT	49,14,600.00
Diversification of canola quality traits to some Important Indian cultivars of B. juncea through marker - assisted backcross breeding (MAB)	DBT	64,43,354.00
Centre of Excellence on Genome Mapping and Molecular Breeding of Brassicas (Phase-II)	DBT (COE)	4,86,55,000.00
Developing Genetics and Genomics Interface to Develop Strategies for Sustainable Use of Resistance to White Rust in Oilseed Mustard (<i>Brassica juncea</i>)	DBT-BBSRC	1,88,53,600.00
Broadening the genetic diversity underpinning seed quality and yield traits in mustard rape and oilseed rape	DBT-BBSRC	1,04,28,000.00
Bollworm resistance and hybrid seed production in Cotton	ICAR	1,46,40,000.00

Publications : 87

Rout, K., Sharma, M., Gupta, V., Mukhopadhyay, A., Sodhi, Y. S., Pental D., Pradhan, A. K. 2015. Deciphering allelic variations for seed glucosinolate traits in oilseed mustard (*Brassica juncea*) using two biparental mapping populations. *Theor. Appl. Genet.* 128: 657 – 666.

Yadava, S.K., Kumar, P., Panjabi-Massand, P., Gupta, V., Chandra, A., Sodhi, Y.S., Pradhan, A.K., Pental, D. 2014. Tetralocular ovary and high siliqua width in yellow sarson lines of *Brassica rapa* (subspecies *trilocularis*) are due to a mutation in Bra034340 gene, a homologue of CLAVATA 3 in Arabidopsis. *Theor. Appl. Genet.* 127: 2359-2369.

Singh, A. K. and Pental, D. 2014. Selection and genetic transformation of a fast-growing cell line in cotton (*Gossypium hirsutum*) for transgene expression studies. J. Plant Biochem. Biotechnol. Doi: 10.1007/s13562-014-0262-x.

Bisht, N.C., Jagannath, A., Augustine, R., Burma, P.K., Pradhan, A.K., Pental, D. 2014. Effective restoration of male-sterile (barnase) lines requires overlapping and higher levels of barstar expression: A multi-generation field analysis in *Brassica juncea*. J. Plant Biochem. Biotech. Doi: 10.1007/s13562-014-0289-z.

Paritosh, K., Gupta, V., Yadava, S.K., Singh, P., Pradhan, A.K., Pental, D. 2014. RNA-seq based SNPs for mapping in *Brassica juncea* (AABB): Synteny analysis between the two constituent genomes A (from *B. rapa*) and B (from *B. nigra*) shows highly divergent gene block arrangement and unique block fragmentation patterns. BMC Genomics 15: 396.

Sharma, S., Padmaja, K.L., Gupta, V., Paritosh, K., Pradhan, A.K., Pental, D. 2014. Two plastid DNA lineages – Rapa/Oleracea and Nigra – within the tribe brassiceae can be best explained by reciprocal crosses at hexaploidy: evidence from divergence times of the plastid genomes and R-block genes of the A and B genomes of *Brassica juncea*. PLoS ONE 9(4): e93260. Doi: 10.1371/journal.pone.0093260.

Padmaja L.K., Agarwal, P., Gupta, V., Mukhopadhyay, A., Sodhi Y.S., Pental, D., Pradhan, A.K. 2014. Natural mutations in two homoeologous TT8 genes control yellow seed coat trait in allotetraploid *Brassica juncea* (AABB). Theor. Appl. Genet. 127: 339-347.

Paritosh K., Yadava, S.K., Gupta, V., Panjabi-Massand, P., Sodhi, Y.S., Pradhan, A.K., Pental, D. 2013. RNA-seq based SNPs in some agronomically important oleiferous lines of *Brassica rapa* and their use for genome-wide linkage mapping and specific-region fine mapping. BMC Genomics 14: 463.

Paritosh K., Pental, D., Burma, P.K. 2013. Structural and transcriptional characterization of *rbcS* genes of cotton (*Gossypium hirsutum*). Plant Mol. Biol. Rep 31: 1176-1183.

Yadava, S.K., Arumugam, N., Mukhopadhyay, A., Sodhi, Y.S., Gupta, V., Pental, D., Pradhan, A.K. 2012. QTL mapping of yield associated traits in *Brassica juncea*: meta-analysis and epistatic interactions using two different crosses between east European and Indian gene pool lines. Theor. Appl. Genet. 125: 1553-1564.

CENTRE FOR INTERDISCIPLINARY STUDIES FOR MOUNTAIN & HILL ENVIRONMENT

Activities and Achievements

The Ministry of Power, Government of India has given due recognition to the Centre for its significant contribution in the field of environment impact assessment of power projects and environmental sensitivity studies of river basins, and elevated it to a Centre of Excellence in 2001-2002. The Centre conducts studies on environment impact and environment management in the power sector. The Centre also provides expert advice and consultancy services to various Public and Private sector institutions in the field of environment and sustainable development. The Centre has a state-of-the-art infrastructure and vast expertise available in the area of Ecology, Biodiversity Conservation Management, Aquatic Ecology, Remote Sensing and Geographic Information System (GIS).

The faculty members and Scientists at the Centre are also engaged in full-time teaching programs of the Department of Environmental Studies and guide Doctoral Research at the Centre.

Honours/Distinctions

Professor Maharaj K. Pandit was appointed Hrды Fellow of Radcliffe Institute, Harvard University. He will join the faculty fellowship from September, 2015.

Professor Maharaj K. Pandit, the Director of the Centre, was elected a Fellow of National Academy of Sciences (NASI), Allahabad, India.

Research grants/other projects

Title	Description	Sponsor	Funding Amount (Rupees)
Terrestrial and Aquatic Ecological Survey (Winter Season) for various Studies in India (Kamala, Lower Kopli, Mawphu, Upper Siang, Upper Krishna)	Terrestrial and Aquatic Ecological Survey	WAPCOS Ltd.	21 Lakhs
Biodiversity studies of Etalin, Phanchung and Pema Shilpu HEP in Arunachal Pradesh.	Biodiversity studies of HE projects.	RS Environlink Pvt. Ltd.	12 Lakhs
Biodiversity Studies of Papu HEP and Shutkari Kulan HEP in Arunachal Pradesh	Biodiversity studies of HE Projects	RS Environlink Pvt. Ltd.	8 Lakhs
Biodiversity Studies of Attunli HEP and Kamala HEP in Arunachal Pradesh	Biodiversity studies of HE Projects	RS Environlink Pvt. Ltd.	8 Lakhs

Inter Institutional collaboration

- Department of Environmental Studies, University of Delhi, Delhi
- WAPCOS Limited, Gurgaon
- NHPC Limited, Faridabad
- THDC Limited, Utrakhand
- SJVN Limited, Himachal Pradesh

Publications

Pandit, Maharaj K., Manish, K., Koh, Lian P 2014. Dancing on the Roof of the World: Ecological Transformation of the Himalayan Landscape. *BioScience* 64:980-992.

Pandit, Maharaj K., Steven M. White, and Michael J.O. Pockock. 2014. The contrasting effects of genome size, chromosome number and ploidy level on plant invasiveness: a global analysis. *New Phytologist* 203:697-703.

Conferences Organized/ Attended

Pandit, Maharaj K. 2014 Databases and invasion research: an ecogenomic perspective. GBIF supporting research for sustainable development. In the GBIF Public Symposium, September 17th, 2014. India Habitat Centre, New Delhi, India.

Faculty Strength: Permanent – 1; Contractual Staff (Scientists-3)

CENTRE FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION

Activities and Achievements

Centre for Professional Development in Higher Education(UGC HRDC) works towards improving and increasing capability of the staff through access to education and training opportunities. CPDHE aims to train teachers in service for continuous upgradation, beyond simple in-service workshops in order to advance in their careers. Professional development opportunities in CPDHE are ongoing and aligned with standards and assessment. The focus is on content knowledge and quality teaching, data driven lectures, diverse learning and evaluation. The institution gives opportunity to teachers for active learning content knowledge and overall coherence of the staff developments. These programmes encourage collegiality, and foster goals and visions. We make use of outside faculty from various universities, from industry, NGOs, Museums and Government organizations etc. CPDHE conducted three workshops, four Orientation Programmes and six Refresher Courses.

Dr. Vijaya Laxmi Singh Dy. Director CPDHE was invited as Chief Guest and Keynote speaker in DS College, Ferozpur, University of Punjab in a National Seminar and spoke on the central theme of the seminar “From sociological history to theoretical History: Rethinking Indian Historiography” and lectured on “Historiographical trends in Ancient and Medieval societies”.

Inter Institutional collaboration

Collaborative workshop with the Australian High Commission.

Publications

Singh, Vijaya Laxmi.: Women and Gender in Ancient India- Study of Text and Inscription, Aryan Books International, 2014-15.

Programmes organized by CPDHE UG- HRDC

Name of the Programme	Male	Female	Total
Orientation Programme (OR-76)	10	16	26
Orientation Programme (OR-77)	10	13	23
Orientation Programme (OR-78)	11	18	29
Orientation Programme (OR-79)	13	19	32
Total (A)	44	66	110
Sanskrit	13	10	23
Hindi	7	20	27
Mathematical Sciences	12	24	36
Environmental Studies (ID)	12	13	25
Women Studies (ID)	8	18	26
Life Sciences	4	20	24
Total (B)	56	105	161
Workshop on Trans-disciplinary Training in Foundation Courses (Studio/Virtual Classes)	32	32	64
Workshop on Use of Technology in Teaching	16	21	37
International Workshop on Teaching Methodology/Pedagogy: Innovative	10	29	39

Teaching Methodologies			
Total (C)	58	82	140
Grand Total (A+B+C)	158	253	411

Faculty Strength: Permanent - 1

Number of national journals subscribed (online + paperback version): 119 Books added in the library

Any other significant information: Academic Advisory Committee Meeting: 4th September 2014

The following items were reported, discussed and approved:

- (a) Report of CPDHE activities of Financial Year 2012-13 & 2013-14.
- (b) Details of Orientation, Refresher Courses, Summer School and Workshops conducted during the year 2012-13 and 2013-14.
- (c) Winter school in Research Methodology for teacher of Anthropology, Sociology, Social Work and Psychology to be conducted in November-December for duration of 3 weeks equivalent to Refresher Course as per UGC norms.
- (d) Any other course, Seminar / functions may be conducted as approved by the Chairman as per UGC norms.
- (e) Financial report of XIth Plan (Year 2007 – 2012) submitted to UGC and Financial report for 2012-13 and 2013-14 (UC already sent to UGC).
- (f) Status of personnel at CPDHE may be as per UGC guidelines.

CENTRE FOR SCIENCE EDUCATION AND COMMUNICATION

Activities and Achievements

Re-investing Mathematics Pedagogy for in-service Teachers: CSEC in collaboration with CIC conducted 2nd series (21 to 24 April, 2014) School Outreach Programme for School Mathematics Teachers under the theme, “Re-inventing Mathematics Pedagogy for In-service mathematics Teachers Phase-II” in view of success of first series.

Training Science Teachers in Innovative Experimental Activities: Conducted 02 days 31st October and 1st November, 2014 workshop for 30 science teachers at Sadhu Vaswani International School for Girls to promote scientific disposition and habit of experiments among students. Resource persons were team members of International Junior Science Olympiad from Homi Bhabha Centre for Science Education, Bombay.

Robotics Boot Camp for School Children: Organized again jointly by CSEC & CIC to impart basics of robot-building through hands-on sessions on 28th February, 1st, 13th & 14th March, 2015 using open source platform. Seventy nine students participated and received training and do specific tasks.

3D Printing Workshops: First successful joint initiative of CSEC and CIC in conducting 3D Printing Workshops of two days each in Feb./March 2015. Twenty three under graduate students participated and learnt about 3D Printers.

Quest 2014-15: Annual science-cum-quiz contest for undergraduate science students Quest 2014-15. Competition rounds conducted during the February/March 2015. Miranda House, St Stephen's College and Sri Venkateswara College declared first, second and third positions among the teams selected for participating in final rounds.

CLUSTER INNOVATION CENTRE

Activities and Achievements

Technology Business Incubator of Cluster Innovation Centre became operational in January, 2015 with funding received from Ministry of MSME for seven projects.

Design Innovation Centre of University of Delhi became operational at CIC with funding from Ministry of HRD.

Eighty students participated in the "IT Maha Abhiyan" project in May-August 2015 under the MoU between University of Delhi, PHD Chamber of Commerce and IamSME of India.

Instructional workshop on fundamentals of system biology supported by Science and Engineering Research Board (SERB), Government of India organized at Cluster Innovation Centre.

Conducted two robotics workshops and two 3D printing workshops for College teachers, College and School students. The sessions were designed and delivered by a joint team of students from Autonomi, Robotics Society of CIC and the faculty from CIC. Each workshop was a two day event.

School Internship program to integrate innovative pedagogy in Mathematics classroom.

Setting up Mathematics lab

Designed activity kit for Integers, Algebra and Trigonometry.

Created Mathematical games for effective teaching.

Honours/Distinctions

Dr Nirmal Kumar is Fellow Royal Asiatic Society (FRAS) of GB and Ireland, ICCR Professor to Vienna University, Guest fellow (IIAS, Shimla), Visiting professor Aarhus University, Denmark, Charles Wallace fellow at Leeds University.

Dr. Prem Srivastava made "Global Salzburg Fellow: SASSA-12, 2014" Austria at Salzburg, September 27-Oct 3, 2014.

Dr. Shobha Bagai, invited to be subject expert in Board of Studies at Christ University, Bangalore.

Three teachers (Asani Bhaduri, Saleem Mir and Amitesh) awarded Ph.D from University of Delhi.

Three teachers (Sonam Singh, Nirmal Yadav, Anoop Kumar) awarded Ph.D from IIT Roorkee.

Research Projects

Establishing research based practices to identify and mentor gifted students in Mathematics and Science funded by Office of Principal Scientific Advisor to the Government of India-Dr Jyoti Sharma

Young Scientists project sponsored by Department of Science and Technology (DST), Govt. of India (2013-2016) with a grant of 17 lakhs INR-Dr. Sunita Negi.

Ongoing: ICSSR sponsored project on Declining Sex Ratio in Jammu & Kashmir: A Ground Perspective –Dr Saleem Mir.

Six innovation projects funded by the University of Delhi-Dr B. Biswal, Dr. Shobha Bagai, Dr. Pankaj Tyagi, Dr Jyoti Sharma, Dr Vikas Verma, Dr. Shashi Agarwal.

Inter Institutional Collaboration

Collaboration with MSME-IT Mahaabhiyaan

Collaboration with IIT, Bombay

Collaboration with Jamia Milia Institute-M.Sc. (Mathematics Education)

Collaboration with various DU colleges – BA (Hons)- Humanities and Social Science (under Meta College concept)

Collaboration with DRDO- Student's internships

Publications

Bagai, S and Nishad, C. "Buoyancy induced flow past a non-isothermal arbitrary shaped axisymmetric body immersed in a non-Newtonian porous medium saturated with Nanofluid." *Journal of Nanofluids*, 3. 3, (2014):1-9.

Bagai, S and Nishad, C. "Effect of Variable Viscosity and Permeability on Natural Convective Heat Transfer Across a Vertical Cone Embedded in a Porous Medium Saturated with Nanofluid". *Journal of Nanofluids*, 4. 4, (2015):91-99.

Singh, S., Bhargava R. "Simulation of phase transition during cryosurgical treatment of a tumor tissue loaded with nano-particles using meshfree approach". *ASME Journal of Heat Transfer*, 136. 12 (2014): page no. 1-10.

Singh, S., Bhargava R. "Numerical simulation of a phase transition problem with natural convection using hybrid FEM / EFGM technique." *International Journal of Numerical methods of Heat and Fluid flow*, 25.3 (2014): 570-592.

Singh, S., Bhargava R. "Element free Galerkin simulation of flow and heat transfer of a viscoelastic fluid over a stretching sheet embedded in a porous medium with variable fluid properties and Newtonian heating." *Scientia Iranica B*, 22.2(2015):504-518.

Tanuja, Srivastava and Nirmal Yadav, "Error Estimation of Discrete Convolution Backprojection for Discrete Radon Transform". *Int. Journal of Information and Communication Technology*, 7.4/5 (2015): page no. 455-468.

Singh, L K, Dhasmana N, Sajid A, Kumar P, Bhaduri A, Bharadwaj M, Gandotra S, Kalia VC, Das T.K, Goel A.K, Pomerantsev AP, Misra R, Gerth U, Leppla SH, Singh Y. "ClpC operon regulates cell architecture and sporulation in *Bacillus anthracis*." *Environmental Microbiology* 17 (2014): 885-865.

Dhasmana, N, Singh L K, Bhaduri A, Misra R, Singh Y. "Recent Developments in Anti-dotes Against Anthrax. Recent Patents on Anti-Infective Drug" *Discovery* 9.2 (2014)

Srivastava, Prem K. Leslie Fiedler: Critic, Provocateur and Pop Culture Guru. McFarland Publishers, North Carolina, USA, (2014).

Kumar, Nirmal and Chaturvedi, Preeti, *Brave New Bollywood – In Conversation with Contemporary Hindi Filmmakers*, SAGE publications, (2015).

Conferences Organized/ Attended

Dr Shobha Bagai presented a paper in Fifth International Conference on Porous Media and its Applications in Science, Engineering and Industry, Kona, Hawaii, USA, 2014.

Dr B. Biswal (Delhi Node of National Network in Mathematical and Computational Biology (NNMCB) organized an instructional workshop on fundamentals of system biology supported by Science and Engineering Research Board (SERB), Government of India.

Dr. Sunita Negi made a poster presentation at International Workshop on Computational Physics and Materials Science: Total Energy and Force Methods, 6th-10th January, 2015 Trieste Italy.

Dr. Sunita Negi made a poster presentation at Biophysical Society Annual Meeting (BPS 2015), February 11-15, 2015, Baltimore, Maryland, USA.

Sonal Singh presented a paper at International 10th Hypothesis Hydrogen and Fuel Cell Conference, Scotland, UK

Dr. Nirmal Kumar gave Key Note address at a UGC Sponsored International Conference on Internal and International Migrations, at CHM College, Ulhasnagar, Mumbai on 10/20 Dec, 2014.

Dr. Nirmal Kumar gave an invited talk Gender and Hindi cinema, at WDC, JMC College, University of Delhi.

Two students of M.Sc. (Mathematics Education) presented paper titled, 'Language barriers in Mathematics' classroom' in National Conference on 'Innovative Trends in Mathematical Sciences' organized by Department of Mathematics and Humanities, Maharishi Markandeshwar University, Mullana, Ambala.

Workshops conducted for Mathematics teachers by faculty of M.Sc. (Mathematics Education)

Puppetry show to teach Mathematics by students of M.Sc. (Mathematics Education)

Designing short films on issues related to Mathematics Education by students of M.Sc. (Mathematics Education)

Five papers of teachers and students of CIC published in DU undergraduate journal.

Faculty Strength: Permanent-7; On Deputation: 4; Ad hoc – 19

COMPUTER CENTRE

Activities and Achievements

During the last one year, Delhi University Computer Centre (DUCC) has taken many initiatives to strengthen the ICT infrastructure at University of Delhi. Utmost steps were taken to ensure maximum availability of network and services running on it. All the constituent colleges continue to use internet services to facilitate and students. Wi-Fi system installed at colleges enables internet access to all students across a variety of devices (using appropriate authentication mechanism) such as laptop, mobile phones etc. Apart from day-to-day activities related to Network, website, training etc., various new initiatives were taken by Delhi University Computer Centre to meet the current requirement of the University ICT and undergraduate admissions. The initiatives are as follows

Campus wide Wi-Fi at both North and South Campus with AAA Authentication.

Physical installation of campus wide Wi-Fi at both North and South Campus is almost complete. Campus-wide Wi-Fi is being made available to faculty, student and staff in a phased manner. At present almost all the permanent faculty and senior non-teaching staff have been provided campus wide Wi-Fi access with individual login and password. The Wi-Fi setup has been built to have Authentication, authorization, and accounting (AAA) at individual internet user level.

Logging of Internet traffic

As per the guidelines of Department of Telecommunications, any organization needs to maintain the internet traffic logs for the past 6 month. DUCC has recently established the logging mechanism wherein all the network traffic including the Wi-Fi traffic is being logged for individual users.

Wi-Fi network monitoring hardware has been put in place for proactive monitoring.

In order to proactively monitor the Wi-Fi network, the new monitoring hardware is put in place which can help in proactive troubleshooting and help in maintaining maximum uptime for Wi-Fi Network.

Google Caching Server

The recent bandwidth increase from 1 GBPS to 2 GBPS was consumed to its full capacity since each college has been provided bandwidth of 100 MBPS. In order to fill in the gap between demand and supply of bandwidth, DUCC in association with NKN installed Google Caching Servers at DUCC to enable internet users fetch the frequently used websites/data from local network instead of Internet. This step saved the Internet Bandwidth manifolds and improved the Internet performance for end users.

DUCC user Area Operating System Transformation

In coherence with the University Policy to use Open Source, DUCC has migrated all the User Area machines OS (Operating System) from Windows to CentOS with open office. The print quota manager has also been seamlessly integrated with the new setup without disconcerting the end user experience.

College Network strengthening

In view of the requirement to maintain the maximum uptime of internet services, DUCC has taken strong steps to ensure that the college VPN connectivity should be in ring architecture. In case of disruption of VPN connectivity from one side the network remains available from other side of ring.

Colocation server hosting for critical application

The data centre at DUCC hosts the servers for the following applications for other departments of the University.

Examination, Online UG Admission, Online PG admission, Online Recruitment, BMS admission, Virtual Class Room, Cluster Innovation Centre, DU Community Radio, Library Software (St. Stephens College), Delhi University Library System, Braille Library, School of Open Learning, Virtual Learning Environment (vle) and Enrollment Data Management System (EDMS).

DUCC carried out the live Webcasting and hosts the streaming video server for Annual Convocation, Antardhavani 2015, Popular Lecture Series, Online Lecture Series, President of India Address on “Parliament and Policy Making”, Archives of various past events.

E-Journals, websites and department websites launched

Antardhvani 2015 <http://antardhvani2015.du.ac.in/>
The Delhi University Journal of Creative Writing-DU Vidha Volume 2
<http://journals.du.ac.in/creative/index.html>
The Delhi University Journal of Undergraduate Research and Innovation, Volume 1 Issue 1 &
Volume 1 Issue 2 <http://journals.du.ac.in/ugresearch/>
Kabul Project <http://Kabulproject.du.ac.in>
Department of Botany <http://botany.du.ac.in>
Connect to India Programme @ DU <http://connecttoindia.du.ac.in/>
NAAC Report- <http://naac.du.ac.in>
Alumni Edition 2 – <http://alumni.du.ac.in>
Department of Persian – <http://persian.du.ac.in>
Department of Statistics- <http://statistics.du.ac.in>

Web based Applications developed

Online Dispatch System (<http://despatch.du.ac.in>)
Central Placement Cell (CPC) Student & Company Registration 2014-15
(<http://placement.du.ac.in>)
Foreign Students' Registration 2014-15 (<http://fsr.du.ac.in>)
Alumni Registration (<http://alumni.du.ac.in>)

SBI Payment Gateway integrated for

Post Graduate Admissions 2015
Teaching Recruitment Application
Non-Teaching Recruitment Application
Central placement Cell- Student Registration Payment
UG Admissions 2014
Teaching & Non-Teaching recruitment Applications for various colleges.

Campus Wide Software

DUCC procured the following Network License Software for the use of DU faculty, Staff, research scholars, PG / UG Students:
SPSS V 22 + AMOS (Windows 32 bit & 64 bit, Unix and Mac platform)
Matlab R2014b (Windows 32 bit & 64 bit, Unix and Mac platform)
Mathematica 10 (Windows 32 bit & 64 bit, Unix and Mac platform)
SigmaPlot 12 (for windows only)

Training Conducted at DUCC

DUCC has organized various training programmes for throughout the year for the faculty, staff, Research Scholars, PG students, college system administrator/technical staff covering all the verticals starting from the basic to advance courses in Excel, Access, SPSS, Mathematica, Matlab, Web Designing which are useful for teaching, research tools, and project taken by the students.

Besides this DUCC has organized three days professional training on “Matlab Fundamentals & Image Processing” for the DU faculty, which is conducted by Mathwork Inc.

Regular Activities

Apart from new initiatives, DUCC continues to design and maintain one of the biggest networks of India comprising of more than 20,000 wired nodes, more than 2000 Wi-Fi access points, more than

80 servers running different applications like websites, DNS, proxy, Email, Applications, Webcast, LDAP, License servers, colocation servers of various departments etc. and more than 500 Network devices.

DUCC is also actively doing/providing Content Management of DU website, Technical Support & Regular updates on DU Facebook Page, Web Hosting services for Colleges/Departments/Centres, Faculty Members Web Hosting Services. Apart from Network and Website designing and maintenance, DUCC has successfully provided technical support and hosted videos for events such as Public Lecture series, Studio lectures, Gyanodya, Annual Convocation, Antardhvani etc.

DUCC user area caters to more than 1500 members comprising of PG students, Research Scholars, Faculties and staff who can avail internet and printing services (limited) free of cost at the computer centre.

The near future plans of DUCC include virtually combining the Campus and College Wi-Fi so that users remain connected to internet irrespective of the location. Through EDUROAM, users will also be connected internationally, and use internet in foreign countries. This will ensure seamless connectivity for end users.

D.S. KOTHARI CENTRE FOR SCIENCE, ETHICS AND EDUCATION

Activities and Achievements

Publication of two working papers. Organizing visit of Visiting Fellow. Planning, organizing and coordinating a large Conference in March 2015, presided over by His Holiness the Dalai Lama. Purchase of books, computer, printer, and two cupboards for storing books.

Inter Institutional Collaboration

With the Dalai Lama Trust, Dharamshala, and the Mind and Life Institute, USA, in March 2015, for a Conference on “Science, Ethics and Education: Transformative Pedagogies.”

Publications

Working Paper I: Right Relationship between Teachers and students: Ethnographic unraveling of Krishnamurti’s Ideas in Practice at Rishi Valley School by Madhulika Sonkar.

Working Paper II: Celebrating Diversities: Inclusive learning in an Alternative School by Disha Pandey.

Conference Organized/Attended

The Centre organized a two-day Conference on 24 and 25 March, 2015 on “Science, Ethics and Education: Transformative Pedagogies” in collaboration with the Dalai Lama Trust, Dharamshala, and Mind and Life Institute, USA. This conference saw a coming together of scholars from different parts of the world working in diverse fields such as Psychology, Neuroscience, Philosophy and Education. Presided over by His Holiness the Dalai Lama, scholars shared their valuable insights on ways of implementing pedagogies that value creating deeply reflective, engaged and compassionate human beings. In the inaugural session of the conference, the Dalai Lama emphasized the scientific practice of inquiry in religion and its development as a discourse based on science rather than faith. Some of the core ideas that emerged were that it is through affect-based learning that cognitive skills can also be developed among pupils. Learning to think anew so as to be able to invite meditation and music in pedagogical frameworks, scientific forays into traditions of meditation and diving into cultural pasts to revive significant forms of learning were some of the insights this conference highlighted.

Any other significant information: Prof Atsushi Takei from Faculty of Education, Shizuoka University, Japan visited the Centre as a Visiting Fellow from 24 to 30 August 2014. Prof. Takei conducted a Workshop with B.El.Ed. students in Aditi Mahavidyalaya on 28 August 2014 and chaired a session at a workshop for MA students at the Dept. of Sociology, Delhi School of Economics.

DEVELOPING COUNTRIES RESEARCH CENTRE

Activities and Achievements

DCRC organized 6 Fellows council meetings in this academic year. It also organized three Thematic Focus Group Meetings on the following topics:

- a) Gender Disaggregated Indicators
- b) Thematic Geo-visualization of Gender Data
- c) Wetland Mapping: Fuzzy Tools

Conferences Organized/Attended

First National Social Science Researchers' Colloquium 2015 on Researching Contemporary India

1.	The Role of Intellectual Property Rights: Case study of Ludhiana	Reetika Madan, Sonam Sood & Savisca Singh
2.	<i>Jugaad</i> -Whether Patentable or Not	Sujata Rohilla
3.	Decentralized Energy Conservation Initiative for Urban India	Meenakshi Sinha Swami
4.	Everyday Life in Gadia Lohar Community: Selected Profiles	Parul Chaudhary
5.	Negotiating spaces in the field: A Researcher's Journey of Resistance and Resilience	Garima Bansal
6.	Reinventing the Rural: An Ethnographic Analysis into the Shifting Forms of News from Rural India.	Madhulika Sonkar
7.	Mapping the Fuzzy Boundaries of Natural Resources: A case Study of EKW Wetland	Seema M Parihar & Soma Sarkar
8.	Maps: A Need to Rethink our Reality	Kriti Kanaujia
9.	The Treasure Trove in Electronic Waste's Commercialization & It's Eco-friendly Disposal.	Juhi Chadha
10.	Politics of Past Capturing the Intangibility of Heritage Conservation in the Indo-Chinese Community of Kolkata.	Rishika Mukhopadhyay
11.	Approaching History through 'Colonial' Archives	Saurav Kumar Rai
12.	Re-Inventing Identity: Creative Culture and Creative Economy of Shahdara, Delhi	Pratibha Tomar
13.	Strengthening Feminist Economics: The Inclusion of Household Labour and Unpaid Care-Work in India.	Manu Sharma & Neha

		Bandral
14.	Emergence of Community Orgainsation in Kerala	Ajayan
15.	Islamic Concept of Hearing (al-sam's) and the Dilemma of Secular Modernity	Muhammadali Pk
16.	Conversion to Islam: A Journey of Self Discovery	Rubba Mubarak
17.	Grounded Theory: Prospects for Socio-ecologists	Varun Sharma
18.	Locating Environmental Ethics Amongst the Baigas	Namami Sharma
19.	Right to a Noise Pollution Free Environment: An Analysis of Constitutional, Legal and Judicial Aspects.	Shiwali Kundu & Tanya Oberoi
20.	Human Development Index: Encapsulation of Indicators of Well Being of Jharkhand	Shiv Kumar
21.	Leadership Trends in Chandigarh: An Analysis	Khushboo Mahajan Satija
22.	Shift within Political Arena: A Study of 2014 Lok Sabha Election in Punjab	Hardeep Kaur
23.	Ageing in Contemporary Indian Society: A Political Economy Approach	Preeti Malik
24.	India's Nuclear Civil Liability Law and International Liability Principles	Ramandeep Singh Sidhu
25.	Adaptation and Learning in the Organization of African Unity and the African Union: A Comparative Study.	Bhawna Sharma
26.	Semiotics of Dress: A Changing Scenario	Jyoti Aggarwal
27.	Ubharte Bharat Mai Web Media or Patrakarita Ka Naya Daur	Swati Sharma
28.	A Study of Mathematical Aptitude of Third Genders and their Attitude towards Mathematics	Sneha Tyagi
29.	Expanding Horizon of Sociological Research in Contemporary India- Constraints and Challenges.	Archana Prasad

The outline of the book related to the Colloquium "First National Social Science Researchers' Colloquium 2015" (to be edited by Seema Mehra Parihar and Ravi Ranjan) was also shared. The organizing team members includes: Seema Mehra Parihar (Joint Director, Coordinator), Ravi Ranjan, Nawal Kishore and G.N. Trivedi.

DCRC Workshop on Research in Wetland Management Methods & Approach was also held on 16-17 April 2015

Annual Day celebration: Prof. Manoranjan Mohanty was a chairperson for Annual Day. Many old members attended the celebrations. Mr. Maninder Nath Thakur was a special invitee. A dance presentation on Hanuman Chalisa Choreographed by the Dance Society 'Sensation' of Kirori Mal College was held.

Future/Proposed Programmes

Joint Director, Dr. Seema Mehra Parihar Proposed following future programmes

- a) Quarterly Seminar jointly with Mapsofindia.com
- b) Workshop on Research Methodology, jointly with young researchers who participated in 1st Colloquium.
- c) Implementation of Area Study Programme in the Centre.
- d) Eleventh Oliver Tambo Lecture given by Prof. Darwis Khudori
- e) Conference on “Building Sovereignty Preventing Hegemony. The Challenges for Emerging Forces in the Globalized World” Co-organiser with Prof. Darwis Khudori.

Research Projects – 5 (Area Studies Programme)

Publications- Publication with Ministry of Women and Child, India & Kirori Mal College, University of Delhi & DCRC, Gender Atlas of India (Series I) Geo-visualization perspective.

INSTITUTE OF INFORMATICS AND COMMUNICATION

Activities and Achievements

The Institute has been instrumental in setting up the University Information Management System (UIMS). Under UIMS, IIC has been developing and managing enterprise applications for Online UG and PG admissions, Online recruitment for teaching and non-teaching staff, Human Resource Management, Finance Management, Document Management, College management etc. and currently student life cycle management is being implemented.

The Institute organized various activities such as Industrial Lecture Series, in which eminent persons visit the institute to deliver specialized lectures on current trends in the IT industry sector. Further students and faculty organized time-to-time Industry-University interaction programme such as “Envisage’ 14”. The faculty actively presented their research work in various platforms like National / International conferences, workshops. The Placements activity in this year like earlier years has been actively pursued resulting in ~40 % placement in the first round. Many top rated IT industries are coming for the campus placement. Industries visiting the Institute this year are Aricient, Hughes Systique etc.

Honours/Distinctions

Anchal Nagpal awarded Capt. Anuj Nayyar Memorial Gold Medal-2014, University of Delhi

Research grants/Others Projects

Development of Open Source Repository for Delhi University sponsored by the University of Delhi.
Amount Allocated: 2,80,000/-

Inter- Institutional collaboration

University of Mumbai on Spoken Tutorials

Publications

Preeti Nagarath, Sandhya Aneja and G. Purohit. “BlackBox as DTN device”. International Journal of Next-Generation Computing, 6.1 (2015) Pages 57-65

Rahul Johri, Neelima Gupta and Sandhya Aneja. "POSOP Routing Algorithm: A DTN Routing Scheme for Information Connectivity of Health Centres in Hilly State of North India". International Journal of Distributed Sensors network, (2015) : Pages 1-9

Conferences Organized/Attended

Preeti Nagarath, Sandhya Aneja and G. Purohit, Defending Flooding Attack in Delay Tolerant Networks, In IEEE International Conference on Information Networking, January 2015.

Swati Singhal, Sandhya Aneja, Frank Liu, Lucas Villa Real, and Thomas George, IFM:A Scalable High Resolution Flood Modeling Framework , In international conference of Parallel Processing (Europar-2014), August 2014.

Sandhya Aneja Attended and presented in Seminar by Survey department Brunei Darussalam on "GIS based Flood Mitigation", August 2014.

International Conference on Mathematical Modeling and Computer Simulation, December 8-10, 2014, ICSR Halls IIT Madras

Paper entitled "Impact of Connection Topology on Cooperative Dynamics of FHN-Neurons with Randomly varying threshold" by Anindita Bhattacharjee and M.K.Das

Envisage'14, an annual national conference on open source technology for the students and faculty members.

Faculty Strength: Permanent – 3

Number of national journals subscribed (online+paper back version)
Through university network

Number of international journals subscribed (online+paper back version)
Through university Network

The IIC is a nodal point for South Campus and its associated colleges for providing ICT services including Internet, Database, Hosting etc.

The IIC has been providing training to the college teachers and students on open source technology, its usage and implementation.

IIC has been a prominent entity to develop, host and provide solutions based on open source technologies.

INSTITUTE OF LIFELONG LEARNING

Activities and Achievements

In the academic year, 2014-15 main activities of ILLL were in the generation of e-content, translation and workshops for teachers and students of University of Delhi. At individual and collective levels, Fellows headed by Director, Joint Director and Advisors contributed in intellectual, cultural and administrative activities of University. The website of ILLL was updated and 477 e-lessons, 4 video lectures, 655 MCQs for undergraduate students were uploaded. Quality material has been prepared in both Hindi and English in Humanities and Social Sciences. In the ongoing project of NME-ICT, 12 papers are being prepared and status report has been submitted to the MHRD. Under the directives of Professor Harish Trivedi, issue of DU-Vidya Vol-2, was edited, published and uploaded. Professor Ramesh Gautam, with the help of fellows and academics from various colleges translated University's Calendar 2014-15 and 91st Annual Report 2014-15 in Hindi. For the first time students from NCWEB were given training in basic computer through module prepared by Dr. R. K. Vyas. In the ongoing DU-History Project, one month internship was provided to students. There was participation in Antardhvani-2015 where thousands of students interacted with Fellows at the stall of ILLL. Dr. Amrit Kaur Basra accompanied Gyanodaya-IV (2014-15).

A workshop for teachers was held in the discipline of Botany with the help of Dyal Singh College. A lab manual was also prepared. Dr. Jai Kishan and Dr. R. K. Vyas attended three days Orientation Programme conducted by MHRD at IIT Mumbai for developing courses in Economics and Hindi under MOOCs. ILLI has also been identified to contribute to the Digital Library by MHRD.

Research Projects

R & D project titled '*Krishi Sabhyata Ka Sankal Aur Samkaleen Hindi Kavita*' granted to Dr. Rasal Singh by University of Delhi.

R & D project titled '*Sanskriti Rupon 'Landa Natch' (Bihar) Aur 'NACHA Chhattisgarh ka Tulnatmak Adhyan*' granted by University of Delhi to Dr. Munna Kumar Pandey.

R & D project titled '*Makers of Modern India: Satyawati & Salem*' granted by University of Delhi to Dr. Amrit Kaur Basra.

Innovation project DBC-205 granted to Dr. Aditya Saxena as principal Investigator.

NME-ICT project granted by MHRD (extension approved).

Inter Institutional Collaboration

Development of two courses under MOOCs with IIT-Mumbai.

Publications

Ramesh Gautam: *Hindi Rangbhasha: Swarup aur Vikas (Edited)*, 2015, Swaraj Prakashan, Delhi.

Shormishtha Panja: *Shakespeare and Class* (co-edited) Pearson, 2014.

Malashri Lal., Amrit Kaur Basra et al: *Gender & Diversity: India, Canada & beyond*, Rawat, 2015.

Saxena A et. al.: 'Acoustic phonon spectrum of unaligned multi-walled carbon nanotubes and zero phonon Rayleigh Mo'ssbauer scattering' *Indian Journal of Physics*, May 2015, 89 (5): 417-423.

Saxena A et. al.: 'A Study of Crop Yield pattern with Climate Change based on Physical Parameters: Temperature and Rainfall in Western Uttar Pradesh to make future predictions for better Crop Management and Yield', *DU Journal of Undergraduate Research and Innovation*, Volume 1, Issue 1, February 2015, 1-13.

Conferences Organized/Attended

Prof. Ramesh Gautam: Lecture delivered at a National Seminar on 'पाठ और पाठ्यक्रम' in JNU on March 2014.

Key note address on 'नाटक और रंगमंच' in Shivaji College on April 2015.

Prof. Shormishtha Panja: Paper on "Shakespeare, 'the great painter of nature,' Boydell and Bengal" Theater Without Borders "Transnational Networks and Systems in Early Modern Theatre," University of Oxford, June 2014.

Paper on "Boydell and Bengali Illustrations of Shakespeare" Plenary Lecture, "Global Shakespeares" Presidency University, December 2014.

Dr. Amrit Kaur Basra : Paper presented on Gender Reform & Print Culture in Colonial Punjab on 12 March 2015 in Conference organized by BVSS in collaboration with CWDS.

Faculty Strength: 10 permanent fellows on deputation basic and 3 advisors on Ad hoc basic for one year.

Number of national journals subscribed (online + paperback version): EPW

Number of international journals subscribed (online + paperback version): Use University's Library sources.

INTERDISCIPLINARY CENTRE FOR PLANT GENOMICS (ICPG)

Activities and achievements

As part of International Wheat Genome Sequencing Consortium, in collaboration with groups from IARI, New Delhi, and PAU, Ludhiana, the Centre is nearing completion of end-sequencing of BAC clones of chromosome 2A. The BAC library has got custom-made harbors ca 1,33,000 clones. In the past year, the Centre has end-sequenced additional ca 20,000 clones, taking the final tally to nearly 120,000 BAC clones representing both long and short arm of Chr 2A. Parallely work has progressed towards shot-gun sequencing of chromosome 2A using new generation sequencing (NGS) technologies. All the data generated has been analysed by the international consortium partner groups and major findings published in prestigious journal 'Science'. This has given new insights into the evolution of wheat. The data will serve as a resource for mining useful genes that could be exploited for improving wheat varieties for increased productivity.

Honours/Distinctions

Professor J.C. Sengupta Endowment Lecture Award by the West Bengal Academy of Sciences & Technology (WAST), in October 2014.

Prof. H.C. Arya Memorial Gold Medal awarded by the Plant Tissue Culture Association of India (PTCA-I) in January 2015.

Appointed In-Charge, National Chapter of TWAS-India (under the aegis of TWAS Regional Office for Central & South Asia), from October 2014 onwards.

Member of the 'Plant Science Research Committee' of the CSIR, from January 05, 2015 to March 31, 2018.

Member, Scientific Advisory Committee (SAC), National Institute of Plant Genome Research (NIPGR), New Delhi, beginning May 2015.

Inter Institutional Collaboration

In one project, there is collaboration with NRCPB, IARI, and PAU, Ludhiana. In another project there is collaboration in a multi-institutional project with 7-8 institutes and the Coordinating Institution is IARI, New Delhi.

Publications

The International Wheat Genome Sequencing Consortium (IWGSC) 2014. A chromosome-based draft sequence of the hexaploid bread wheat (*Triticum aestivum*) genome. Science 345: 1251788-1 to 1251788-11. (authored as one of the PIs from India)

Sharma, A., Sangwan, N., Negi, v., Kohli, p., Khurana, J.P., Rao, D.L.N. and Lal, R. (2015). Pan-genome dynamics of *Pseudomonas* gene complements enriched across hexachlorocyclohexane dumpsite. BMC Genomics **16**: 313. (doi: 10.1186/s12864-015-1488-2).

Kumar, V., Singh, A., Mithra, S.V.A., Krishnamurthy, S.L., Parida, S.K., Jain, S., Tiwari, K.K., Kumar, P., Rao, A.R., Sharma, S.K., Khurana, J.P., Singh, N.K. and Mohapatra, T. 2015. Genome-wide association mapping of salinity tolerance in rice (*Oryza sativa*). DNA Res. **22**: 133-145. doi: 10.1093/dnares/dsu046.

Conferences Organized/Attended

International

Participated in the 25th General Meeting of TWAS (The World Academy of Sciences), held at Muscat, Sultanate of Oman, in October 2014.

Delivered a lecture in the 6th ASIAHORCs Joint Symposium held at Bangkok, Thailand, in November 2014.

National

Delivered a Plenary Lecture at the Indian Science Congress held at Mumbai University from January 3-8, 2015.

Delivered inaugural talk/plenary lecture at the National Conference organized by Presidency University, Kolkata, from February 19-20, 2015.

Number of Ph.D./M.Phil. Degrees Awarded

Faculty Strength: All associated Faculty Members are employed in the Department of Plant Molecular Biology.

Number of national journals subscribed (online + paperback version) : Three (received as a member of the Editorial Board)

Number of International journals subscribed (online + paperback version) : Have online access to two journals as a member of the American Society of Plant Biologists.

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

Activities and Achievements

The University Science and Instrumentation Centre (USIC) maintains sophisticated analytical instruments for the researchers and faculty members in various science departments of the University and its affiliated colleges. The centre is open 6 days a week (9:00 am to 5:30 pm.). Trained engineers from the companies operate the high-end sophisticated instruments.

Conferences Organized

Three week training for 95 lab staff from DU science Colleges and Univ. Depts. (Jan. 2015)

One day seminar on Electron Backscatter Diffraction (10th Feb 2015) – 31 Research scholars attended.

Two day workshop on SEM, Critical point dryer and Biological sample preparation (19th and 20th march 2015), 40 Undergraduate students from Maitreyi college.

“Undergraduate awareness programme” 27 students from Swami Shraddhanand College were trained on different analytical instruments.

Other Significant Information

USIC maintains the following instruments for researchers.

State-of-the-art instruments fully installed and in regular use are listed below:

- i. FEI High Resolution Transmission electron microscope
- ii. Gatan/Quorum - TEM sample preparation equipment
- iii. Sentech Variable angle and variable wavelength Ellipsometer
- iv. Bruker High resolution X-ray diffraction
- v. Single crystal X-ray diffractometer from M/s Oxford Diffraction, UK
- vi. Jeol 400 MHz Nuclear Magnetic resonance
- vii. Jasco Circular Dichroism spectro-polarimeter
- viii. Waters Differential Scanning Calorimeter
- ix. Perkin Elmer FTIR with ATR and specular reflectance attachment
- x. CHNSO Analyser from M/s Elementar
- xi. Rigaku Rotating anode X-ray diffractometer
- xii. Renishaw Laser Raman Spectrometer
- xiii. Jeol Electron Spin resonance (ESR) spectrometer
- xiv. Perkin Elmer DTA-TGA, and DSC instruments
- xv. Millipore low conductivity water
- xvi. Atomic absorption spectrometer (graphite furnace)
- xvii. Shimadzu Differential thermal analyzer (From Chemistry Dept.)
- xviii. Cary Eclipse Fluorescence spectrophotometer (From Chemistry dept.)
- xix. Horiba Jobin Yvon Fluorescence lifetime spectrometer (From Chemistry Dept.)
- xx. 900 Litre Portacryo + 600 liter liquid nitrogen (LN₂) storage tank for North campus.
- xxi. A separate Liquid nitrogen storage facility for south campus has been set up
- xxii. B.E.T. surface analyzer
- xxiii. Vibrating sample magnetometer with low temperature attachment
- xxiv. Photo luminescence set up (325 nm, 488 nm with temp. attachment (-196 to 500° C)
- xxv. Impedance spectroscopy with frequency and temperature variation is installed.
- xxvi. X-ray Diffractometer – Pan analytical Equipment with thin film attachment
- xxvii. Agilent Mass spectrometer
- xxviii. Critical Point Dryer
- xxix. Jeol scanning electron Microscope (SEM) with EDS, Peltier temperature stage

WOMEN'S STUDIES AND DEVELOPMENT CENTRE

Activities and Achievements

Prof. Bharati Baveja (Director, WSDC) took over as Presiding Officer of the Internal Complaints Committee of Delhi University on Sexual Harassment.

Editing and compiling of volume based on the International seminar-Locating Gender in New Middle class In India held with IAS at Shimla, has been completed. The anthology has been submitted to IAS, Shimla for further process of publication.

Honours/Distinctions

Dr. Shelly Pandey has been awarded with a fellowship at Nehru Memorial Museum & Library.

Dr. Manjeet Bhatia has been entrusted to edit the volume based on the International Seminar conducted by Indian Institute of Advanced Study, Shimla.

Research Projects

Mall- the Gendered Space (ongoing)

Inter Institutional collaboration

The Centre organized a National Workshop titled “Feminist Theories & Debates” In this Workshop, 15 teachers and scholars from different Universities and institutions from all over participated. Prof. Indu Agnihotri of Centre for Women’s Development Studies inaugurated the Workshop. Apart from Liberal, Radical and Socialist Feminism, the Workshop discussed the issues pertaining to Feminist Jurisprudence and Psychoanalysis and Feminism. Resource persons were invited from various other institution, including Law School, University of Warwick, UK.

The centre celebrated International women’s Day in two phases. 1) On 9th March, 2015, a panel discussion around the book ‘*Tagore and the Feminine*’ edited by Prof. Malashri Lal, Dean, Academic Activities & Projects was organized. Dr. Avereer Chauray made passionate reading from the book. Dr. Sukrita P. Kumar and Dr. Alka Tyagi discussed various aspects of the book that depicts the versatile scholar that Tagore was. Prof. Bharati Baveja, Dr. Manjeet Bhatia and Dr. Shashi Khurana made special remarks. Students too participated in the discussion.

A Street Play on Women’s Issues by performed by The Pandies Group on 20th March, 2015 Students, teachers and Karmcharies witnessed the play and participated in the discussion that followed.

Publications

Women’s Studies in India: A Journey of 25 Years, edited by Madhu Vij, Manjeet Bhatia and Shelly Pandey, Rawat Publications, Jaipur, (2014).

Locating Gender in the new middle class in India, Manjeet Bhatia (under process)

Conferences Organized/Attended

National workshop on Feminist Theories and Debates was organized from 6th April to 10th April, 2015. Researchers and teachers of various institutions and subject discipline participated.

Prof. Bharati Baveja, Director, WSDC delivered a keynote on ‘Paradigms shifts in Teaching, Learning and knowing’ at the National Seminar held by Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha on 28th March, 2015.

Faculty Strength: Permanent - 1

Other Significant Information

The Centre conducted its 16th Refresher Course in Women’s Studies (from 24th November to 13th December 2014) structured around the theme of Contemporary Issues and Debates in the area of Gender studies. Prof. Bharati Baveja was the Coordinator, Dr. Shashi Khurana, Course Convener and Dr. Shelly Pandey, Academic Facilitator. The list of the Resource Persons included, Prof. Vinay Srivastava, Dr. Sukrita Paul Kumar, Dr. Anup Dhar, Prof. Meera Shiva, D Manjeet Bhatia, Dr. Ambar Ahmed, Prof. Soumendra Patnaik, Urvashi Bhutalia, Dr. Anindita Datta, Dr. Krishna Menon, The focus of this course like the previous ones continued to be multidisciplinary, drawing upon expertise from different academic disciplines and to create a confluence or a bridge between academics and activism. One of the changes was the wider range of areas covered by engaging with resource persons from different professions for greater exposure and opportunity to the participants for interaction and interrogation.

WSDC conducted two certificate courses on Gender Studies for three months each. Course on *Gender and Society* was conducted from September to November 2014, for the MA students and Advance course on *Gender Studies* was conducted from March, 2015 for the MPhil and PhD Scholars.

WUS HEALTH CENTRE

The WUS Health Centre serves about 1 Lakh beneficiary community i.e. regular employees, retired employees, resident and non-resident students and Ad hoc and contractual staff. WUS Health Centre (South Campus) caters to approximately 9000 beneficiaries. WUS Health Centre (East Delhi) caters to approximately 3300 beneficiaries. And WUS Health Centre (West Delhi) caters to approximately 3000 beneficiaries. The total OPD attendance for the year 2014-2015 was 159830 and the total clinical services provided were 176047 i.e. about 990 patients per day, 6 days a week.

During the Gyanodaya Tour, specialized teams of Medical and Para-medical staff were co-ordinated and deployed from WUS Health Centre. Medical attendance was provided at Antardhvani Festival.

FACULTY OF ARTS

ARABIC

Research Schemes/Other projects:

Title/Description	Principal Investigator	Sponsoring organization
“A Critical and Analytical Edition of Jayeze by Professor Khurshid Ahmad Fariq (Part-I & II)”	Prof. Mohammad Nauman Khan	UGC

Conferences Organized

Special lecture on the topic: “Contribution of Kerala to the Arabic Language and Literature”. Sponsored by NCPUL, Organized by the Department of Arabic on 4 March 2015.

Two-day National Seminar on the theme: “Arabic Sources of Indian History” Sponsored by NCPUL, Organized by the Department of Arabic on 4-5 March 2015.

Conferences Attended

M.N. Khan: ‘Dūr al-Nashr wal-Mu’allaḥāt al-‘Arabīyah fī al-Hind wa Dirāsah Khāṣṣah Ḥawla Jūhūd Dā’irat al-Ma‘ārif al-‘Uthmāniyah, Hyderabad’ in International Academic Activities of Suq Ukaz and International Seminar held by King Abdullah bin Abdul Aziz International Centre for the Arabic Language, Riyadh on “Arabic Language in India”, Taif (Saudi Arabia), 13-21st January.

‘Dawr al-Qur’ān al-Karīm fī Takwīn Shakhṣiyat al-Shaykh al-Nūrsī wa Da’watihi’, 4th International Nursi Studies Conference in India, 2015 on “the Concept of Qur’an in the Risale-i Nur”, Department of Arabic, Aliah University, Kolkata, India and Istanbul Foundation for Science and Culture, Turkey, held in Kolkata, 12-13 February, 2015.

‘Dirāsāt al-‘Alāqāt al-Hindiyah al-‘Arabīyah Khilāl al-A‘māl al-Mutarjamah al-Hindiyah’, International Seminar on “Cultural Relations between Perso-Arabic World and India through the Ages”, the Asiatic Society, Kolkata 16-17th March 2015.

‘Al-Amīr Khusro bin Sayf al-Dīn al-Dehlawī wa Musāhamatuhu fī al-‘Arabīyah’, National Seminar on “Contribution of Chishtia Sufies in the Promotion of National Integration and Composite Culture, University College of Science, Saifabad, Osmania University, Hyderabad, 21-22nd June 2015.

National Seminar on “Literary and Linguistic Contribution of Hazrat Shah Waliullah and His Family”, 15th February 2015 Ghalib Academy, New Delhi.

2015. Hadīth Sharīf: ‘Arabī Adab ka ek eham Ma’khaz”National Seminar on “The Role of Hadith in The Development of Language, Literature and Culture” organized by Department of Arabic, University of Mumbai, 10- 11 March 2015.

Wali Akhta:Two lectures as resource person, Interaction Programme for research scholars, Department of Arabic organized by the UGC academic staff college, Aligarh Muslim University, Aligarh, 27 November, 2014.

Naimul Hasan, “Mahatama Gandhi in the Arabic Literature”, One-day National Seminar on "Gandhi in Indian Literature" on 24- April 2014, Jointly organized by Department of Arabic, English, Hindi, MIL & LS, Persian, Philosophy, Punjabi, Sanskrit and Urdu, University of Delhi.

“Shah Waliullah Mohaddis Dehlawi in the light of his writings”, Three-day International Seminar on "Shah Waliullah’s Thoughts in the Contemporary World" on 21-23 Nov. 2014, Jointly organized by Department of Arabic, English, Hindi, MIL & LS, Persian, Philosophy, Punjabi, Sanskrit and Urdu, University of Delhi.

“Values and Ethics in the Writings of Judah al-Sahhar”, Three-day International Seminar on "Language, Culture and Values: East and West" on 16-18 December 2014, Organized by Centre of Arabic African Studies School of Language, Literature and Culture Studies, JNU.

“Contribution of Ameena Said to the Arabic Literature”, Three-day International Seminar on "Arabic Language & Literature: A Contemporary View" on 5-7 February 2015, Organized by Department of Arabic, University of Delhi.

Mohammad Akram “Hakeem Momin Khan Ke Adabi Ma,athir” in two-day International Seminar on “Role of Physicians, Poets and writers in the development of Urdu Language” organized by IHF in collaboration with NCPUL and Jamia Millia Islamia at New Delhi on 12-13 February.

“Shah Abdul Aziz Mohaddis Dehlavi Aur Unki Adabi Nigarishat” One-day National seminar on “Hazrat Shah Waliullah Muhadith Dehlvi Aur Unke A’izza-o-Aqriba Ki Ilmi-wa-Lisaani Khidmaat”organized by DYWA In collaboration with NCPUL on 15 February, New Delhi.

“Hali o Shibli Ke Adabi Marasim” in two-day National Seminar on the topic “Tafheemat-e-Hali-o-Shibli” during four day Urdu festival organized by department of Urdu University of Delhi on 9-12 March 2015 in University of Delhi.

“Maulana Sayid Sulaiman Nadwi aur unki Arabi khidmat” in Three Day All India Seminar organized by Maulana Abul Kalam Azad Arabic Persian Research Institute Tonk Government of Rajasthan from 17th to 19th March.

“Sauda Ki Qasidanigari” in the three day national seminar Urdu Shairi Ki Classical Asnaf” held on 27th, 28th & 29th March, 2015 organized by Urdu Academy, Govt. of Delhi.

Publications

Research articles

Khan, M N. 'History of Publishing Arabic Books in India with Special Reference to the Contribution of "Dairatul Ma'arif-il- Osmania, Hydeabad", *Al-Lughat al-'Arabia fi Al-Hind*, King Abdullah bin Abdul Aziz International Centre for the Arabic Language, Riyadh.

Naimul Hasan, 2015, "*M. William Pickthal (1875-1936) as a Great Translator of the Holy Qur'an*", Conference proceedings of Three-day International Conference on: 'Orientalism: Past and Present, published by Department of Arabic, Aliah University, Kolkata. January.

Conferences Organized

"Gandhi in Indian Literature" Jointly organized by Department of Arabic, English, Hindi, MIL & LS, Persian, Philosophy, Punjabi, Sanskrit and Urdu, University of Delhi, 24 April 2014.

"Shah Waliullah's Thoughts in the Contemporary World" Jointly organized by Department of Arabic, English, Hindi, MIL & LS, Persian, Philosophy, Punjabi, Sanskrit and Urdu, University of Delhi. 21-23 Nov. 2014.

"Arabic Language & Literature: A Contemporary View" Organized by Department of Arabic, University. 5-7 February 2015.

Number of Ph.D./M.Phil Degrees Awarded

Ph.D : 7

M.Phil : 5

BUDDHIST STUDIES

Activities and Achievements

The Department has undertaken many academic activities during the year 2014-15. These include the initiation of the process of syllabus for the New Courses viz. B.A. Hons. Buddhist Studies, Advanced, and conducting weekly seminars/special lectures. The Department received assistance from the University Grants Commission under the Special Assistance Programme for Educational Institutions. The Department successfully completed the Phase-III of Special Assistance Programme and was also reviewed by the UGC and has now been upgraded to the Centre for Advanced Study in Buddhist Study under SAP UGC Programme.

Research Projects

S. No.	Title/Description	Coordinator	Sponsoring Organization
1.	Department under Special Assistance Programme (SAP III) (CAS-I)	Prof. Hira Paul Gangnegi	University Grant Commission, New Delhi
		Dr, Indra Narain Singh(Deputy Coordinator)	
2.	Project of Production on Courseware e-content Development for Post Graduate Subject 'Buddhist Studies' (e-PG Pathsala).	Prof. Hira Paul Gangnegi	University Grant Commission, New Delhi
		Dr, Indra Narain Singh(Deputy Coordinator)	

Publications

Sarao K. T. S. 2015. *Dhammapada: Eka Vyutpattiparka Anuvāda*, New Delhi: Vidya Nidhi Prakashan

The Central Conception of Buddhism (edited), Delhi : Vidyavidya Prakashan.

Research Articles

Sarao, K. T. S. "Dissent and Protest in Early Indian Buddhism with Special Reference to Devadatta" in Vijaya Ramaswamy (ed.), *Devotion and Dissent in Indian History*, Delhi: Cambridge University Press.

"Road Blocks in Sustainable Development and Social Change: A Buddhist Critique of Modern Capitalism and Globalizations" in Thich Nhat Tu and Thich Duc Thien (eds.), *Buddhism for Sustainable Development and Social Change*, Vietnam Buddhist University Series 21, Hanoi: Religion Press.

"Pilgrimage to Mt Kailash: The Abode of Lord Śiva," *Dialogue, A Journal of Astha Bharati*, New Delhi, vol. 16, no. 2, October-December.

"The Dalai Lama: Person and the Institution," *Dialogue, A Journal of Astha Bharati*, New Delhi, vol. 16, no. 3, January-March.

Ninety nine entries have been accepted for publication in the *Encyclopaedia of Indian Religions* (editor-in-chief Arvind K. Sharma), New York: Springer.

Conferences Organized/Attended

International

K. T. S. Sarao, key-note speech and paper "Road Blocks in Sustainable Development And Social Change: A Buddhist Critique of Modern Capitalism and Globalization," 11th International Conference on the United Nations Day of Vesak Celebrations, Hanoi and Ninh Binh, Vietnam, 07-11 May 2014.

"Traditional Education in India with Special Reference to Buddhism," International Symposium on Traditional Educational Institute and Its Value as Cultural Heritage, organized by the Association for Inscribing Korea's Seowon on World Heritage List, Seoul, Korean, 24 October 2014.

"Buddhist Perspective on Sustainable Development in India and China," the Chongsheng International Forum 2014 on Common Fate of Buddhism and Asian People, Dali, Yunnan, China, 31 October-02 November 2014.

"The Institution of the Dalai Lama: An Examination of the Concerns of Stake Holders," the Seminar on Recent Perspectives on Himalayan Buddhism jointly organized by Himachal Pradesh University and Indian Institute of Advanced Study, Shimla, 27-28 May 2014.

"The Decline of Buddhism in Sindh and the Punjab: An Examination of the Testimony of Chinese and Korean Travellers," at the Second Conference of South Asian History organized by the Department of History, Punjabi University, Patiala, 17-19 October. 2014.

“Māyā’s Dream: An Examination of the Buddha’s Conception and Birth,” at the International Buddhist Conference organized by the Theravada Academy of Nepal and Sitagu International Buddhist Academy, Myanmar at Lumbinī, 15-18 November, 2014.

“The Dalai Lama: Origin, Development and Future of the Institution,” at the National Seminar on Contemporary Buddhist Thinkers organized by the ICPR Centre for Buddhist Studies, Department of Philosophy, Jadavpur University, 10-11 January 2015.

“Some Reflections on the Decline of Buddhism in Bengal,” at the International Seminar on the Revival of Buddhism in Bengal organized by the Department of Pāli, University of Calcutta, Kolkata, 13-14 January 2015.

“Was the Buddha Already Enlightened as a Householder?” at the National Seminar on Buddhism and Householders organized by the Department of Pāli, Savitribai Phule Pune University, Pune, 08-10 March 2015.

Keynote speech “Buddhism and the Modern World” at the One Day National Seminar organized by the Buddhist Studies Centre of the UGC, RSD College, Firozpur City, Punjab, 14 March. 2015.

“Buddhist Perspective on Ecology,” at the International Seminar on Contemporary Buddhism: Applications and Debates organized by the Department of Philosophy, University of Mumbai, 19-21 March 2015.

“Relevance of Buddhism in the Profit-Oriented Globalizing World” at the ICHR Sponsored National Seminar on Buddhist Philosophy: Old Glory and Future Prospects organized by the Department of History, MPG College, Mussoorie, Uttarakhand, 24-25 March 2015.

“Biography of the Buddha and Various Legends: Issues in Research Methodology” at the ICHR Sponsored Research Methodology for the Study of Buddhism organized by the Department of History, MPG College, Mussoorie, Uttarakhand, 26-27 March 2015.

Pavagadhi, Subhra Barua. 2015, “Is Karma The Base of Inequality”, National Seminar on Pali Language and Literature: Modern Perspective held at Nava Nalanda Mahavihara (Deemed University) from 18th to 20th March 2015.

Buddhist Scripture (Theravada Tradition), Indira Gandhi National Centre of Asia, on 9th July 2014.

Retribution of Karma And Inequality Paper presented at XXXIX International Buddhist Conference Indosan Nipponji (Japanese Temple), Bodh Gaya, from 8th and 9th December, 2014.

Ram Kumar Rana, Ram Kumar. Introduction and Spread of Buddhism in China, Arya Mahila P.G. College, Varanasi 2015.

Number of Ph. D/M.Phil . Degrees Awarded

Ph.D : 11
M.Phil. : 10

Faculty Strength: Permanent - 19; Ad hoc: - 9

ENGLISH

Activities and Achievements

The Department of English has successfully completed the second phase and has entered the III phase of UGC-SAP programme. The UGC has granted permission to the department to start two new centres: Centre for Studies in Violence, Memory and Trauma (CSVMT) and Centre for Dalit Studies. The Department has also organized two seminars by the CSVMT: UGC/DSA III sponsored seminar on 'The Post-Partition Experience of Sindh and Sindhis' and students' seminar on 'Reading Conflict'. Apart from these two new centres, the existing Centre for Translation and Archiving is working on translations of Shri Lal Shukla's essays and archiving and digitalizing resources from the North East. The Department has organized various talks and lectures by visiting scholars from India and abroad. The Department is in process of upgrading its resources. Computers with internet facilities have been installed in the lab and the library is developing a procedure of using KOHA.

Honours / Distinctions

Rupendra Guha Mazumdar: Visiting Professor, Senior Fulbright Fellow, Department of English, Suffolk University, Boston; 2014-15.

Udaya Kumar: Member, Editorial Advisory Board, Routledge Online Encyclopedia of Modernism, 2011-present.

Udaya.Kumar: Senior Fellowship, Nehru Memorial Museum and Library, New Delhi; 2012-14.

Rimli Bhattacharya: Professor, Gender Studies, CSSSC, Calcutta; 2014-15.

Anil Kumar Aneja: National Award for the Empowerment for Persons with Disabilities, Government of India, 2014.

Inter Institutional Collaboration

The Department has signed an agreement with the British Council regarding LITUP Programme between the University of Glasgow and the University of Delhi.

Publications

Books:

Panja, Shormishtha. (Ed.). (2014). *Shakespeare and Class*. Delhi and Chennai: Pearson.

Satpathy, Sumanyu. (Ed.). (2014). *Nonsense: Nonsense Verse*, By J P Das. New Delhi: National Book Trust.

Dewadawson, Christel Rashmi. (2014). *Out of Line: Cartoons, Caricature and Contemporary India*. Delhi: Orient Blackswan.

Chakravarty, Prasanta. (Ed.). (2014). *Shrapnel Minima: Essays from Humanities Underground*. New York, London and Kolkata: Chicago Press and Seagull India.

International Journals

Kumar, Raj. (2014). "Dalits and Village India: A Reading of Joseph Macwan's Angaliyat." *Literaria: An International Journal of New Literature Across the World*, 4.1, 15-30.

Chattarji, Subarno. (2014). Poetry by American Women Veterans. *Alea: Estudos Neolatinos*, 16(2), 300-16.

Chandra, Nandini. (2014). Transitional Selves and the Question of Class Consciousness. *Trans-Humanities*, Ewha Woman's University Press, 7(1), 71-91.

National Journals:

Satpathy, Sumanyu. (2014). "Gandhi before Gandhi" Two Little Prehistories of the Great Soul, *Economic and Political Weekly*, XLIX(30), 171-81.

Satpathy, Sumanyu and Jatindra K Nayak. (2014) Sarala Mahabharatra: Introduction. *Indian Literature*, LVII(03), 07-14.

Kumar, Raj. (2014). "Myth, History and Politics: Caliban as the Subaltern Subject." *Reflections: A Journal of English Studies*, 8.1, 11-25.

Kumar, Raj. (2015). "Dalits as 'the Others': Reading Dalit Discourse in Joseph Macwan's Angaliyat." *Ravenshaw Journal of Literary and Cultural Studies*, V, 46-72.

Antony, Swetha. (2014). The Articulation and Celebration of Fragments: A Post Modern Analysis of Kamala Das's Poetry. *Luminaire*, Special Issue ed. Payel Dutta Chowdhury and Sheela Rosalyn, *Journal of the Department of Languages*, Garden City College, Bangalore, 4(1).

Chapters in Edited Books:

Panja, Shormishtha.. Lebedeff, Kendal, Dutt: Three Travelers on the Indian Stage. *Transnational Mobilities in Early Modern Theater*. (Eds.). Robert Henke and Eric Nicholson. Farnham, Surrey and Burlington, Vermont: Ashgate. 2014

'Those lips that love's own hand did make': Anne Hathaway and Shakespeare's *Venus and Adonis*. *Shakespeare the Man: New Decipherings*. (Ed.). R.W. Desai, Lanham: Farleigh Dickinson University Press. 2014.

(Ed.). Introduction. *Shakespeare and Class*. Delhi and Chennai: Pearson. 2014.

(Ed.) Shakespeare's Beggars and Vagrants. *Shakespeare and Class*. Delhi and Chennai: Pearson. 2014

Satpathy, Sumanyu. (2015). As Though She Were a Man: Chitrangada and Contemporary Queer Appropriations of Tagore. D. Banerji (ed) *Rabindranath Tagore in the 21st Century Sophia Studies in Cross-Culture Philosophy of Traditions and Cultures 7*. (Ed.). Dibakar Banerji. New Delhi: Springer India.

Kumar, Udaya. (2014). Sree Narayana Guru's Idioms of the Spiritual and the Worldly. *Devotion and Dissent*. (Ed.). Vijaya Ramaswamy, Delhi: Foundation Books, 370-79.

Freedom's Work. *Between Love and Freedom: The Revolutionary in the Hindi Novel*. (Ed.). Nikhil Govind, New Delhi: Routledge, vii-xvi. 2014

Alienation, Consciousness and Assertion: An Interpretation of Oriya Dalit Narrative. *Counter Cultural Discourse and Dalit Literature in India*. (Ed.). M. Dasan and Rajesh Karankal, New Delhi: ABD Publishers, 104-20. (2014.)

Culture, Identity and Politics: Gopinath Mohanty's Paraja. *De-territorialising Diversities: Literatures of the Indigenous and Marginalised*. (Ed.). Prem Kumari Srivastava and Gitanjali Chawla, New Delhi: Authorspress, 61-74. (2014.)

Literature, Language and Pedagogy: A Reading of Oriya Dalit Literature. *English in the Dalit Context*. (Ed.). Alladi Uma, Suneetha Rani and D. Murali Manohar, New Delhi: Orient BlackSwan, 68-76. 2014

Dalit Literature and Its Translation: A Critical Enquiry. *Towards Social Change: Essays on Dalit Literature*. New Delhi: Orient Blackswan, 48-60. (2014)

Chattarji, Subarno. (2014). 'The Chameleon War': Passing Time and the Remembrance of the Vietnam War. In *The Last Time I Dreamed About the War: Essays on the Life and Writing of W. D. Ehrhart*. (Ed.). Jean-Jacques Malo, Jefferson. NC: McFarland & Company Inc., 22-30.

'Culture(s) of Corruption': Media Representations and Anxieties. In *Covering and Explaining Conflict in Civil Society*. (Ed.). Nalini Rajan, New Delhi: Orient Blackswan, 91-103. (2014)

Qadeer, Haris. (2015). Nissim Ezekiel. *Encyclopedia of Postcolonial Studies*. London: Blackwell.

Holi: The Festival of Colors, They DO What? *A Cultural Encyclopedia of Weird and Exotic Customs from Around the World*. (Ed.). Javier A. Galvan. USA: ABC-CLIO. (2014)

Nag Panchmi: The Festival of Snakes, They DO What? *A Cultural Encyclopedia of Weird and Exotic Customs from Around the World*. (Ed.). Javier A. Galvan. USA: ABC-CLIO. (2014.)

Conferences Organized

Students' Seminar on "Reading Conflicts," 29 October 2014.

Workshop for Ph.D. scholars conducted by Kanika Batra and Rich Rice, Texas Tech University, 4-5 December 2014.

UGC – DSA III sponsored seminar on "The Post-Partition Experience of Sindh and Sindhis," 12 December 2014.

Conferences Attended

Kumar, Udaya. (2014). "Attoor Ravi Varma and the Geographies of Modernist Poetry in Malayalam" in a workshop on "Indian Literature as Comparative Literature: Regional Modernisms and the Idea of Indian Literature," Rutgers University and the French Institute of Pondicherry.

2014. "Alternative Spatialities: Vernacular Thought and Territorial Imagination in Twentieth Century Kerala" in Sociology Seminar Series, South Asia University, New Delhi.

2015. "Choosing a Tongue, Choosing a Form: Kamala Das's Writings and the Parsing of Perception" in a conference on "Kamala Das and the Tradition of Bilingual Creativity," Sahitya Akademi and University Institute of English, Thiruvananthapuram.

2015. "Historical Fiction and Questions of Sovereignty: Aesthetic Form and Memory Making in C. V. Raman Pillai's Writings" in a seminar at Manipal Centre for Philosophy and Humanities, Manipal University.

Dewadawson, Christel Rashmi. (2015). "'The Visual Turn' and After" at Glasgow University.

2015. "JLK, Visual Politics and the Beast Fable" at Bharati College, University of Delhi.

2015. [Plenary Lecture] "The Politics of Visuality at Work in R K Narayan's *Swami and Friends*" at Madura College.

2015. "Visual Politics and Victorian Poetry" at St. Stephen's College, University of Delhi.

Chattarji, Subarno. 2014. "Undergraduate English Studies in Delhi: a quantitative and qualitative analysis" in 20th Conference of the International Association for World Englishes on "Asian/African Contexts and World Englishes," Amity University, Noida.

2014. "The distant shores of freedom': recollecting and rehabilitating Vietnam in America" in a conference on "War Memories: Commemoration, Re-enactment, Writings of War in the English-Speaking World (18th-21st Centuries)," University of Rennes 2, France.

Kumar, Raj. 2015. "Relocating Dalits in Contemporary India" a special lecture at Department of Political Science, B. R. Ambedkar University, Lucknow.

2015. "The Interrelationship between Education and Dalit Literature" in a talk on "The Interface of Education and Dalit Literature," Department of Hindi, University of Delhi.

2015. "Culture and Society: the Context of Development and Marginality in Odisha" in a talk on "The Context of Development and Marginality in Odisha," organized by Odisha Students' Association, Jawaharlal Nehru University, New Delhi.

2015. "Towards an Understanding of Dalit Literary History" in a seminar on "Towards Understanding Indian Literary Histories," Department of English and Cultural Studies, Panjab University, Chandigarh.

2015. "Social Concerns in Dalit Literature" in a seminar on "Social Concerns in Dalit Literature," Dr. Ambedkar Chair, Centre for the Study of Social Systems, Jawaharlal Nehru University, New Delhi.

2015. "Culture, Identity and Politics: A Reading of Gopinath Mohanty's Paraja" Centenary Celebration of Gopinath Mohanty, Sahitya Akademi, New Delhi.

2015. "How to Theorize Dalit Literature" in a seminar on "Reading Literary Theories," Department of English, Allahabad University, Allahabad.

2015. "The Poetics and Politics of Basudeb Sunani" at Chandrabhaga Poetry Festival, Centurion University, Konark.

2015. "Situating Dalit Literature" in a seminar on "Indigenous Voices: India and Australia," Department of English, Madras University, Chennai.

2014. "Social Dimensions of Dalit Movements: A Study of Dalit Struggles in Odisha" in a seminar on "Social Dimension of Dalit Literature," Madras Institute of Development Studies, Chennai and Rajiv Gandhi National Institute of Youth Development, Sriperumbudur.

2014. "Narratives of Nativism and Dalit Literature" in a seminar on "Narratives of Nativism," Department of English, Kumari Vidyavati Anand DAV College for Women, Karnal.

2014. "Pedagogical Approaches to Dalit Literature" in a seminar on "Approaches to Dalit Literature," Ambedkar Chair, Centre for Social Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi.

2014. "Reading Race through Caste Narratives," a talk on "Reading Race," Department of English, Delhi University.

Chattarji, Subarno. (2014). Delivered three lectures as Resource Person for ICSSR-sponsored Research Methodology Course in Social Sciences. Department of Mass Communication & Journalism, Tezpur University, Tezpur.

2014. "The media, the university, and the public sphere" in a seminar on "The Power of Communication: Media, Public Space, and Participatory Democracy," Indian Institute of Advanced Study, Shimla.

2014. “Representing War” in a seminar on “The Great War of 1914 – Hundred Years and Beyond: Cultural and Literary Responses,” Central University of Jammu, Jammu.

Bhattacharya, Baidik. (2015). [*Resource Person*] workshop on “The Theory of the Novel: Conversations with Jonathan Arac,” Shiv Nadar University, Delhi.

2015. “‘Measurements of resemblance’: crime, empire, and circulation of photographic portraiture for judicial identification” in a seminar on “Beyond Likeness: Portraiture, its many manifestations, and possibilities,” Jawaharlal Nehru University, Delhi,

Qadeer, Haris. 2015 “‘Caught in the lanes of History’: Recollections of Delhi in Agha Shahid Ali's Poetry” in National Conference on “Agha Shahid Ali: Tradition and Modernity” , University of Kashmir. Srinagar, Kashmir

Number of Ph.D. / M.Phil. Degrees Awarded

Ph.D. : 2
M.Phil : 39

Faculty Strength: Permanent - 26

Number of International Journals subscribed: 3

Times Literary Supplement,
London Review of Books,
The New York Review of Books.

GERMANIC AND ROMANCE STUDIES

Activities and Achievements

The Department organized III Ibero- Asian Conference of Golden Age Literature and Hispanism in General on 15 to 17 October 2014 and Annual International Conference on “Crime and Literature” from 12th – 14th March 2015. This Conference was the culmination of a course on literature based on the same theme conducted for the MA/MPhil students of the Department .Debra Castillo delivered a talk on Massive Open Online Courses “Performance in the Classroom, on the Stage and through the Internet” on 13th January 2015, Javier Moro, the Spanish Writer who wrote *El Sari Roj*, delivered a talk and Mathilde Arrivee spoke on French language teaching. The German Week was held from 16 to 20 February 2015 and the German Translation Workshop on Franz Kafka’s translation by Claudia Wenner was held on 26 March 2015.

Honours/Distinctions

Dr. Tanya Roy (Associate Professor) - Member of Albo Ex Alunni, Corsi di lingua italian, Ministero degli Affari Esteri, Italy.

Research Projects

<u>Title/Description</u>	<u>Principal Investigator</u>	<u>Sponsoring organisation</u>
Representation of an Exceptional Space: The reflection in literature of the Mexico – United States Border and the rise of the ‘narco novel’	Prof. Minni Sawhney	Scheme to strengthen R&D Doctoral Research Programme by providing funds to University Faculty - regarding
Colonial Encounters: Discourses on Political Dreams/Nightmares in Latin American Literature	Prof. Vibha Maurya	Scheme to strengthen R&D Doctoral Research Programme by providing funds to University Faculty - regarding
Exploring Postcolonial Connections: Rabindranath Tagore and Leopold Sédar Senghor	Dr. Kusum Aggarwal	-do-
Representation of Violence in Literature and Cinema from a Comparative Perspective	Dr. Vijaya Venkataraman	-do-
German Discourses on India from the Nineteenth Century to the Present (Part-II)	Dr. Jyoti Sabharwal	-do-

Inter Institutional Collaboration

<u>Title/Description</u>	<u>Principal Investigator</u>	<u>Sponsoring organization</u>
Special Assistance Programme at the level DRS-II	Prof. Minni Sawhney, HOD	UGC

Publications

Sawhney, Minni.2015. Article, “El narco mundo en las novellas transnacionales de Elmer Mendoza y Don Winslow” in *Lesiones y lecciones literarias de la violencia latinoamericana reciente*.ed. Cecilia López Bádanó, Buenos Aires: Corregidora.

2014. “Octavio Paz, the Poet and the Diplomat” published on the 29th of March in the Mexican newspaper *Milenio*. http://www.milenio.com/cultura/octavio_paz/diplomatico-poeta-Octavio-Paz-centenario-Levi-Strauss-laberinto_o_270573255.html

Conference Attended

Sabharwal.Jyoti. 2014. "Filmästhetik im komparatistischen Rahmen: Die Drehbucharbeit von Willy Haas am Exilort Indien ".International Conference: Komparative Ästhetik(en).Gesellschaft für interkulturelle Germanistik und Department of German, University of Mumbai.

Number of Ph.D./M.Phil. Degrees Awarded

Ph.D.: 1 in Italian and 1 in Spanish;
M.Phil. : 2 in Italian; 5 in German; 1 in French

Faculty Strength: Permanent – 16
Adhoc - 8

HINDI

Activities and Achievements

The Department has organized two National-level Seminars under DRS-SAP, a major Research program, funded by U.G.C. for 'Hindi Sahitya Ke Itihas Ka Punarlekhan.' The Department has periodically organized " Lekhak se Miliye' dialogue.

Honours/Distinctions

Prof. Harimohan Sharma: Member of the Board of Studies, the Department of Hindi Language and Literature ,Central University of Himachal Pradesh

Prof. K.N. Tiwari, Member of the Board of Studies, the Department of Hindi Language and Literature, University of Baroda, Gujrat

Prof. K.N. Tiwari, Member of the Board of Studies in Hindi, Lal Bahadur Shastri Sanskrit Vidyapeeth, New Delhi

Dr. Mukesh Garg received Smt. Laxmi DeviLalit Kala Academey Award (The Highest Honour of the Academy) Kanpur, 15th March, 2015

Dr. Vinod Tiwari received '18th Devishankar Avasthi Samman' for Aalochna

Publications

Negi, Sneh Lata.2015. 'Vimukt Janjatiya Jeevan-Sangharsh Aur Asmita Ke Prashna (Sandarbha : Alma Kabootari) Harshvardhan; March

Tiwari, K.N. 2015. 'Virale Dost Kabir Ke' (Novel); Publisher : NBT, New Delhi; February

Patel, Ramnarayan.2015. 'Mukutdhar Pandey, Ravindranath Aur Navjagran – Sammelan Patrika' January to March

Singh, Sheoraj. 2014.'Nai Fasal Kuchh Anya Kavitaeyin'; Vani Prakashan, Daryaganj, New Delhi; July,

Singh, Sheoraj. 2014. 'Uttar Sadi Ke Hindi Katha Sahitya Mein Dalit-Vimarsh'; Anamika Publication, Daryagnj, New Delhi; April.

Kumar, Sanjay; 2014. 'JNU Aur Hindi Aadhuniktavad Ka Ek Nayak' Banas Jan, July

Malik, Kusum Lata; Kahi-Ankahi (Collection of Stories)

Tiwari, Vinod.2014. 'Aalochna Ke Sarokar'; Vaak; April-June,

Conferences Organized/Attended

Singh Sheoraj: Hindi Sahitya Shodh Ka Swaroop Evam Bhavshya; PGDAV College, D.U., 27th March, 2015

Dr. Sanjay Kumar: 'Hindi Ke Shreshtha Acharya Namwar Singh' Hindu College, D.U.; March, 2015

Dr. Mukesh Garg: 'Reetikaatl Aur Stree' Lecture delivered as Chairperson in National Seminar organize by Mohanlal Sukhadiya University, Udaipur; February, 2015

Dr. Vinod Tiwari: 'Katha Sanrachna Aur Hindi Aalochna' Deptt. of Hindi, D.U. (Co-ordinator); November, 2014

Number of Ph.D./M.Phil Degrees awarded

Ph.D : 35

M.Phil : 25

Faculty Strength: Permanent - 23

Number of National Journals Subscribed (online + paper back version)

Samkaleen Bhartiya Sahitya; Sammelan Patrika (Allahabad); Vishwa Bharti Patrika (Vishwa Bharti); Kashi Journal of Social Science; Aalochna; Vaak; Pakshdhar; Tadbhav; Hans; Tadbhav; E.P.W. (online)

Other Significant Information

The department is organizing Dr. Nagendra Centenary Programme in April 2015, which has already been inaugurated by Prof. Dinesh Singh, Vice Chancellor, University of Delhi.

LIBRARY AND INFORMATION SCIENCE

Activities and Achievements

The Department has got two research projects from DRDO, Ministry of Defence on web-based database and directory in the area of Aerospace at National level. The Department has also undertaken a project on Mobile devices applications by researcher scholars. The Department organized Educational Tour Programme: Local Educational Tour and Educational Tour Programme out of Delhi to facilitate students to know the LIS activities conducted at American Centre Library; AC Joshi Library Punjab University, Chandigarh; Advanced Studies, Shimla.

Honours/Distinctions

Dr. M. Madhusudhan was awarded by the status of "International Accreditation Organization (IAO) USA-Certified Faculty member" in 2014.

Research Projects

Title of the project: Design and Development of Web-based Database of Aerospace Testing Facilities Available in India. Funding Agency: AR &DB, DRDO, Ministry of Defence, Govt. of India, New Delhi.

Title of the R & D Project: Use of Mobile Devices for Improving Research work by the Research Scholars of the University of Delhi and University of Hyderabad. Funding Agency: University of Delhi (2014).

Ongoing project on Design and Development of a Web-Based Directory of Aerospace Scientists in India funded by Aeronautics Research & Development Board (AR&DB), Defence Research & Development Organization (DRDO). Period of Project 3 years. Sanction Grants 13.37 Lac. Year-2012.

Publications

Journals

International:

Gareema Sanaman and Shailendra Kumar.(2014) Assistive Technologies for People with Disabilities in National Capital Region Libraries of India. *Library Philosophy and Practice*.

Walia, Paramjeet Kaur and Prabhjeet Kaur. (2015). Collection Development and Management within Public Libraries in Delhi: A Study on Government Owned Public Libraries in the Changing Digital Environment. *Library Management* 36. (1&2)

Walia, Paramjeet K. & Sinha, Nitu. (2014). Changing Trend in Reading Habits of Teenagers in Delhi: An Impact Assessment of Demographic and Environmental Variables. *Library Review* 63. (1/2), 125-137.

Madhusudhan, M. and Parul Gupta. (2014) "Use of RFID Technology by Students in Indian Institute of Technology, Delhi and Indian Law Institute, Delhi: A Survey World Digital Libraries (An International peer-reviewed Journal) 7.2

Ajeemsha, S. and Madhusudhan, M. (2014) "Continuing Professional Development for Library Semi-Professionals in Central University Libraries of India. "International Journal of Library and Information Studies 4.3 94-103.

Madhusudhan, M. and Shalini Aggarwal.(2014) "Online Public Access Catalogues of Select University Libraries (An International peer-reviewed Journal) 7.1 (2014): 15-42.

Singh, K.P. (2014). Depth schedule for area tables in Dewey decimal classification for rendering Indian states and districts. *Library Herald*, 5(2)

Singh, K.P., & Bebi. (2014). *Library Herald: A bibliometric study (2003-2012)*. *Library Herald*, 52 (1), 19-27.

Singh, K.P., & Bebi. (2014). Application of Bradford's Law on journal citations: A study of Ph.D. theses in social sciences of University of Delhi. *Annals of Library and Information Studies*, 62 (2)

Meera and Surendra Kumar Shahu. (2014) Research output of University College of Medical Science, University of Delhi: A Bibliometric Study. *Collnet Journal of Scientometric and information management*. 8 (2) 401-418

Bharti Yadav and Meera. Resources, facilities and services of the Indian citation index (ICI)", *Library Hi Tech News*. 31.4, (2014): 21-29.

National

Gareema Sanaman and Shailendra Kumar. Users Perspective towards Assistive Technologies Available in NCR Libraries of India. *DESIDOC Journal of Library and Information Technology*. 35 (2), 90-99.

Walia, Paramjeet Kaur and Prabhjeet Kaur. (2015). Collection Development and Management within Public Libraries in Delhi: A Study on Government Owned Public Libraries in the Changing Digital Environment. *Library Management* 36. (1&2)

Walia, Paramjeet K. & Sinha, Nitu. (2014). Changing Trend in Reading Habits of Teenagers in Delhi: An Impact Assessment of Demographic and Environmental Variables. *Library Review* 63. (1/2), 125-137

Singh, K.P., Bebi, & Garg, K.C. (2014). Citation analysis of Ph.D. theses submitted to the University of Delhi in social sciences during 1995-2008. *SRELS Journal of Information Management*, 51 (6)

Singh, K.P., & Bebi. (2014). Characteristics and characterization of literature used by the researchers in geography: A citation analysis of Ph D theses. *COLLINET Journal of Scientometrics and Information Management*, 8(2), 1-11.

Singh, K.P. (2014). Research output in library and information science (1957-2013): A case study of University of Delhi, Delhi. *Journal of Knowledge Management*, 3 (1-2), 19-37.

Singh, K.P., & Chander, H. (2014). Publication trends in library and information science: a bibliometric analysis of *Library Management* journal. *Library Management*, 35 (3), 134-149.

Conference Attended

Dr. Shailendra Kumar: Indian Public Libraries Conference: Transforming Public Libraries in India in envisioning the future at India International Centre, New Delhi on March 17-18, 2015.

Dr. Shailendra Kumar: UGC sponsored National Conference on Library Automation: Issues & Remedies in Present Scenario at Department of Library & Information Science, Aggarwal College, Faridabad on March 26-27, 2015.

Dr. M. Madhusudhan: International Conference on Sustainability of Digital Libraries (ICSDDL, 2014) (Hyderabad, 25-27 September, 2014).

Nowsheeba, Ashraf Asmi and Madhusudhan, M. Impact of Social Networking Sites for the exchange of information among Research Scholars in the University of Delhi, Proceedings of International Conference on Sustainability of Digital Libraries (ICSDDL, 2014) (Hyderabad, 25-27 September, 2014) Hyderabad: B S Publications (2014): 401-410.

Dr. M. Madhusudhan: International Conference on Content to Connectivity-Paradigms Shift in knowledge Innovation, Information Representation, Information Management Systems and Librarianship (New Delhi, 11-12 April, 2014).

Dr. M. Madhusudhan: National Conference on Trends and Challenges in Management of Academic Libraries in New Information Environment, Organized by Science College, Nagpur (29th September, 2014).

Dr. K.P. Singh: International Conference on Content to Connectivity-Paradigms Shift in Knowledge Management, Knowledge Representation and Web, Web Technology held and organized by SRFLIS-Tecnia Institute of Advanced Studies, Delhi on April 11-12, 2014.

Number of Ph.D./M.Phil Degrees Awarded

Ph.D.	:	6
M. Phil	:	7

Faculty Strength :Permanent - 7

LINGUISTICS

Activities and Achievements

The Department conducted three programmes for the students of Hankuk University of Foreign Studies (1) Hindi Language & Indian Studies Programme (First Semester) from March 2014 to June 2014 (2) Hindi Language & Indian Studies Programme (Second Semester) from September 2014 to December 2014 and (3) Intensive Winter Hindi Pogramme in January 2015 (three weeks).The Department has organized a two- day National Seminar on “*Linguistics in the Humanities* “on 10-11 March, 2015.The Department has successfully completed Special Assistance Programme (SAP) at the level of CAS-I from 01.04.2010 to 31.03.2015.

Honours/Distinctions

Prof. Ramesh Chand Sharma, Advisor, Interdisciplinary Journal of Linguistics, Srinagar.

Dr. Tanmoy Battacharya

Chief Editor: *Indian Linguistics*

Editor, *People’s Linguistic Survey of India volume on Indian Sign Language*

Chief Editor, *LISSIM Working Papers*

Editorial Board Member:

Syntax (published by Wiley-Blackwell) (since 2010)

Language and Language Teaching (APU/ VBERC) (since 2010)

Research Projects

Dr. Shobha Satyanath: Research and Development Grant for faculty improvement. University of Delhi, Delhi (Comparative Tibeto Burman).2013-2014

Dr. Tanmoy Bhattacharya: Major Research Project: “Linguistic Variation Across Six Dialects of Meiteilon” (Feb., 2015-Jan., 2018)

Indo-Norwegian Cooperation Programme 2014 (INCP): “A microcomparative Study Doubling in Dialects of Meeteilon and Norwegian as a case of Syntactic Variation” (Jan 2015 – Dec., 2017)

Scheme for Protection and Preservation of Endangered Languages (SPPEL), CIIL: “Language description of Mara” (Jan. 2015-June, 2015)

Inter Institutional Collaboration

Hankuk University of Foreign Studies, South Korea

Busan University of Foreign Studies, Busan, South Korea

University of Hamburg, Germany

International Collaboration with Cardiff University, Wales, UK.(ICSSR-ESRC-UKIERI Ph.D. Partnering Initiative).

Publications

Satyanath, Shobha. 2015. Language variation and change: The Indian experience. In Dick Smakman and Patrick Heinrich (eds.). *Globalizing Sociolinguistics*, Routledge.

2015. Editorial. *Asia-Pacific Language Variation*, 1(1), 1-5. DOI: 10.1075/aplv.1.1.001ed

Bhattacharya, Tanmoy (2015) “Doing Culture in Grammar: The Wode Universal Grammar Model” *The Mother Language*, International Mother Language Institute, Dhaka. (forthcoming)

2015. “Linguistic knowledge in a multilingual classroom: Sentence structure (Part 1)” *Swara: NMRC Newsletter*, vol 5., JNU, New Delhi.

Conferences Organized/Attended

Dr. Shobha Satyanath : Downscaling Culture: revisiting intercultural communication. In collaboration with Cardiff University, Wales, UK (September 18-19, 2014).

2014.NWAV-AP 3. University of Victoria, Wellington, New Zealand (May 1-3) (Member, International Planning committee).

Dr. Tanmoy Bhattacharya organized 8th Linguistics Summer Schools in Indian Languages (LISSIM 8), May 24-June 5, 2014.

Organized International Mother Language Day 2-day national conference, JNU, Feb 21-22.2015.

Chand, Ramesh. 2014. Inaugral address “ Anuvadparampara , Anuvad awin Bhasha Vigyan” *Bharitya Anuvadh Parishad, Bhartiya Vidhaya Bhawan*, New Delhi.

“Issues in Literature and Language”, Valedictory paper at the International Conference on New Trends in 20th-21st Century English Literature and Language (NTELL, 2015), held on 13-14, 2015 at BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat.

Dr. Shobha Satyanath: Problematizing style shift in Indian contexts. Keynote Address, Downscaling Culture: revisiting intercultural communication. Cardiff University, Wales, UK (September 18-19, 2014).

2014. Studying a restructured variety in a multilingual context. NWAV-AP 3. University of Victoria, Wellington, New Zealand (May 1-3).

2014. Fundamentals of Sociolinguistics. Key note Lecture. Short term course on Sociolinguistics. IIT Roorkee, June 9.

2014. Issues in language contact. Talk delivered at SIIT Roorkee, June 9.

Dr. Tanmoy Bhattacharya : 2014 “The endearing Curse of the Meditative Gaze and ‘Informal Syntax’”, Invited Seminar talk, Philosophy Dept., DU. April 11,

2014 “Centring Knowledge as Education for ALL”, Keynote address at workshop on Learning and Learnability Issues of SC/ST Children, Jadavpur University, Kolkata.

2014 “ The Ethics of Multidimensionality“, Invites talk at the Seminar on and didactics of German language teaching, School of Languages, JNU.

2014 “Indo-Mongoloids” and the Idea of a Composite Indian Culture in Suniti Kumar Chatterji’s KIRĀTA-JANA-KṚITI”, Suniti Kumar Chatterji’s 125th birth Anniversary.

2014 “Are We All Alike? Questioning the pathologies of the ‘Normate’”, Paper presented at the Inequality in Education International Conference, University of Delhi.

2014 “Dravidian-Tibeto-Burman Similarities: Is There a Third group Involved?” Leading Panel presentation at 36th ICOLSI (AICL) meeting, University of Kerala, Thiruvananthapuram.

2014 “Integrative Difference: Language Loss and Indigenous Culture in India and Canada”, Panel talk at IGNCA, New Delhi.

2015 Invited talk at JNU “Service And Knowledge: The Roles of Disability Organisations in Higher Education” Invited talk in the “International Conference on Disability Studies in India: Reflections on Future”, JNU.

2015 Invited talk at AUD “Rethinking Participation”, as part of Rethinking Development Symposium.

2015, “A Linguistic Analysis of Two Lessons of Class IV Language Textbooks”, International Mother Language Day, JNU.

2015, Invited talk at IIS, Jaipur, “Disability: An Introduction”.

2015, “Inner/ Outer Politeness in Central Māgadhan Prākṛit Languages: Agree as Labelling”, Invited talk at the Workshop on “Case and Agreement in South Asian Languages”, at SCONLI9, IIT, Delhi.

2015, “Linguistic Artefacts in School Curriculum: English Teaching in Primary Classes, one-day workshop on Language Awareness and Pedagogical Implications in a Multilingual Classroom, Aligarh Muslim University.

Number of Ph.D/ M.Phil. Degrees Awarded

Ph.D.	:	01
M.Phil.	:	12

Faculty Strength: Permanent- 6

MODERN INDIAN LANGUAGES & LITERARY STUDIES

Activities and Achievements

The Department organized a 20 day “Language Training cum Workshop for North-East Languages” under the “*Gyanodaya V: Dharohar: The Glory of the North-East*” Programme of the University. Content Development for E-PG course for Comparative Literature (Sponsoring Organization: University Grants Commission and MHRD, New Delhi, under its Programme *e-Pathshala*, National Education Mission-ICT) Principal Investigator: Prof. P. C. Pattanaik.

Research Projects

DRS (Phase-II) Programme of UGC April 2009 to March 2014.

Major Research Project on Fakelore in Tamil Nadu: A Research on the Growth & Current Scenario.

Major Research Project on Thematic Survey of Post Independence Gujarati, Marathi and Hindi Plays.

Major Research Project on Sindhi Folk Culture and Folk Literature in India: A Study.

Major Research project on ‘Writers, Writing and History (An Archive of Literary Dialogue).

Publications

Das, Ratnottama. 2014. *Nakh norokha sowalibor aru tinikhon bhinnwaswadar uponyasika*. Guwahati: PeeGee India unique books. ISBN-978-81-92548-66-1

Gampa, Venkata Ramaiah. (Ed.) 2015. “Ravishastry Katha Prapancham” (Seminar Papers of Sahiti Vedika). Delhi: Sahiti Vedika.

Journal/ Articles:

Rajagopal, Govindaswamy. 2014. Saṅga Agakkavidaigaḷil Talaivi-Tōḷiyar Naḍattai Uḷaviyal (in Tamil). 45th *Ayvukkovai* (45th Proceedings of All India University Tamil Teachers’ Association’s International Conference) (Vol. 4, pp. 1490-1494). Madurai, Tamil Nadu: Madurai Kamaraj University.

2014. Paṅpāṭṭu Acaivil Cila Coṅkal: Karuttu Pulappāḍum Poruḷ Māṅṅamum (in Tamil). *Tirukkuraḷ Karuttu Pulappāṭṭil Aṇiyiyal* (Collection of Papers on "Cognitive And Rhetorical Expressions in Thirukkuraḷ"). (pp. 9-30). Chennai, India: New Century Book House.

Premanathan, K 2014 *Thamizin Pinnaveenathuvam* (Postmodernism of Tamil). Puthuppunal

2014. *Maaruthalkalaik katrarithalum karpitthalum* (Learning and teaching of Social Changes). Puthuppunal

2014. *Maaruthalkalaik katrarithalum karpitthalum panpatutthum arasiyalin oru vakaimai*. Puthuppunal,

Das, Ratnottama. 2014. “Nigerian lekhika Chimamandar tinikhon uponyas” in Somay (Ed.) Pankaj Thakur. Guwahati: *Times of India*.

2014. “Anubad aru gotaserek cinta” in Prakash (Ed.)

Gampa, Venkata Ramaiah. (2015). "Ravishastry Rukkula Kathalu – Vishleshana" in Venkata Ramaiah Gampa. (Ed). Ravishastry Katha Prapancham (Seminar Papers on Ravishastry). Delhi: Sahiti Vedika, Delhi. Pp. 87-97

Conferences Organized/Attended

Pattanaik, P. C., 2015. "Migration Memories in Oral Tradition: a Cross-cultural Perspective", International Seminar on Cultural Studies: Global and Local Perspectives, organized by the Department of Cultural Studies, Tezpur University, Assam. held during 7-8 February, 2015. He also chaired a Session.

2015. "Commonalities in Indian languages", International Seminar on Common Features in the Local Languages of North Bengal, and also chaired a session, on 29th March 2015

2015, Annual Lecture on "Linguistic Situation in India" on 28th march 2015 to commemorate the International Mother Language Day, held at North Bengal University, Siliguri

2014, Keynote at the Symposia on Indian Literature and Tribal Culture held at Veer Namard South Gujarat University, Surat on 9th April 2014

Gampa, Venkata Ramaiah. 2014. "Ravishastry Rukkulu Kathala: Valasanantara jeevita chitrana" (in Telugu) in National Seminar on 'Ravishastry Katha Prapancham' organized by Delhi Sahitya Vedika, Delhi, 20th April.

2014. "When god becomes a human being: Gandhi as an avatar in Telugu laghu kavya" in the National Seminar on 'Gandhi in Indian Literature' organized by Department of Arabic, Hindi, MIL&LS, Persial, Philosophy, Punjabi, Sanskrit and Urdu, University of Delhi, Delhi, 24th April.

2014. "Vimarshakudiga Palagummi Padmaraju" (in Telugu) on 'Palagummi Padmaraju Shatajayanti Sabha' organized by Vedagiri Communication, Delhi, 31st August 2014.

Faculty Strength: Permanent- 12 ; Ad hoc- 1

PERSIAN

Activities and Achievements

The Department held international and national seminars during the academic session. Three day International Seminar on "Society and Culture in Indo-Persian Literature during Sultanate Period (Circa 13th – 16th)" from 4th – 6th February, 2015. One day special lecture on "Some Tangential Thoughts on Adab and Civility" by Prof. Emeritus C. M. Naim, University of Chicago, USA on 4th March, 2015. One day special lecture on "Role, Place and Relevance of Sufi worship in Modern South Asia and the importance of Sufism in the broader context of Pluralism, Diversity and shared space" by Prof. Carl W. Ernst a distinguished Professor and Scholar of Islamic Studies, University of North, Carolina, USA on 5th August 2014. 5th Hazrat Amir Khusrau Lecture Series on 23rd March 2015 by Prof. I. H. Siddiqui.

Research projects

Title/Description	Principal Investigator	Sponsoring Organization
DRS SAP-II	Prof. Chander Shekhar	UGC
Imaging of Indian Culture: Rani Chnader Kiran and Raja Chaturbhuj (Salar Jung Museum, Hyderabad manuscript)	Prof. Chander Shekhar	R&D Project, Univ. of Delhi
A Critical edition of Tazkirah-e-Khattateen by Munshi Bakhtawar Khan	Dr. Aleem Ashraf Khan	R&D Project, Univ. of Delhi
An Annotated edition of Roja-i-Taj	Dr. Ali Akbar Shah	R&D Project, Univ. of Delhi

Publications

Jahan, Mehtab. 2015. *Chahar Maqala* (Translation in Urdu), M.R. Publications, New Delhi-02

Articles:

Khan, Aleem Ashraf. 2014. “Naksh-e-Raizani-e-Farngi-e-Jamhur-e-Eslam-e-Iran dar Tarviz-e-zaban-o-Adabeyat-e-Farsi dar Hind”, *Perisan Research Journal*, Dept. of Perisan.

Kumar, Rajinder. 2014-15. “Fana dar Ashar-e-Amir Kabir Shir Ali Navai Fani”, *Perisan Research Journal*, Dept. of Perisan.

Jahan, Mehtab. 2014. “Chahar Maqala aur Nizami aruzi Samar Qandi”, *Aiwan-e-Urdu*, Urdu Academy, Delhi-6. June

“Shireen Farhad ki Asal Dastan”, *Aiwan-e-Urdu*, Urdu Academy, Delhi-6, January 2015

“Mouz-e-Tasvvauf Mian-e-Asar-e-Zarrinkub”, *Perisan Research Journal*, Dept. of Perisan. 2014-2015

Shah, Ali Akbar. 2014. “Zubdat-ul-Gharaib Yek Makhaz e Mohimm e Tarikh e Deccan”, *Qand-e-Farsi*, Iran Culture House, New Delhi.

Conferences Organized/Attended

Dr. Aleem Ashraf Khan: “Sadiq Hedayat’s stay at Bombay”, International Seminar on “Sadiq Hedayat; A Persian phoenix in the Indian Island” organized by IIPS, CETTM, Povai, Mumbai, 17th - 18th February 2015.

“Maulana Azad’s understanding of Persian verses in Ghubar-e-Khatir”, International seminar, Department of Arabic & Persian, University of Calcutta, in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies, Kolkatta & National Library of India, Kolkatta, on 18th – 19th March. 2015

“Akhbarul Akhyar an Important source of medieval Indian History”, International seminar on “Content and important source of History” organized by Institute of Persian Research, A.M.U. Aligarh on 11th -13th March. 2015

“Hindustan ke samaji estehkam mein Sufiya ka Naqsh”, International seminar on “Role of Sufis in promotion of Social Harmony” organized by Department of Urdu & Persian, Khwaja Moinuddin Chishti Urdu, Arabic, Farsi University, Lucknow on 3rd -5th March 2015.

“Prof. Waliul Haq ke Sheri Majmue Shab Chiragh ka taaruff” in the International seminar on “Life and works of Urfi Shirazi” organized by Department of Persian, University of Lucknow, U.P. on 10th -11th Feb. 2015:

“Charles Stewart wa Tarikh-e-Bangalah”, International seminar organized by Asiatic Society of Bengal, Kolkatta on 15th -17th March. 2015:

“Indo-Iran relations through Persian language & literature” in three day International conference on “Literary legacy of Persian language & literature” organized by Centre of Central Asian Studies (CCAS), University of Kashmir, Srinagar, from 31st March to 2nd April.2015

Resource person, 21 day workshop of National Manuscript Mission, organized by Dept. of Persian, Banaras Hindu University, entitled “Manuscriptology and calligraphy” on 9th Feb. 2015.

“Sufi Hamuddin Nagori and his Malfooz Surur-us-Sudur wa Anural bur” on during the three day International Seminar on “Society and Culture in Indo-Persian Literature during Sultanate Period (Circa 13th – 16th)”, Department of Persian, University of Delhi.4th – 6th February. 2015

Dr. Rajinder Kumar: “Farhang-o-Jamaie-Hind Dar Khazain-ul-Futuh-e-Amir Khusro” on 4th – 6th February, 2015, International Seminar entitled “Society and Culture in Indo-Persian Literature during Sultanate Period (Circa 13th – 16th)”, Department of Persian, University of Delhi.

Dr. Mehtab Jahan:“Tarikh-e-Firoz Shahi” on 4th – 6th February, 2015 during the three day International Seminar entitled “Society and Culture in Indo-Persian Literature during Sultanate Period (Circa 13th – 16th)”, Department of Persian, University of Delhi.

Dr. Ali Akbar Shah:“Zubdat-ul-Gharaib Yek Makhaz e Mohimm e Tarikh e Dehli” on 4th – 6th February, 2015, International Seminar on “Society and Culture in Indo-Persian Literature during Sultanate Period (Circa 13th – 16th)”, Department of Persian, University of Delhi.

“Moorafi-e-Tarikh-e-Mohtashim” on 11th – 13th March, 2015 during the International Seminar entitled “Context and Scope of Perisan Writing as Important Sources of History”, Institute of Perisan Research, AMU, Aligarh.

“Sabke Hindi and its Future in Iran” on 31st March – 2nd April, 2015 during the three day International Seminar entitled “Literary Legacy of Indo-Central Asia, Afghanistan and Iran”, Centre of Central Asian Studies, University of Kashmir, Srinagar, J&K.

“Sawaneh-e-Maulana Raum ek Tanquidi Jaiza” on 9th – 12th March, 2015 during the two day national seminar “Tafheemat-e-Hali-o-Shibli”, Department of Urdu, University of Delhi.

A three-day International Seminar on Society and Culture in Indo-Perisan literature during Sultanate Period (Circa 13th-16th)

One day special lecture on Role, Place and Relevance of Sufi worship in Modern South Asia and the importance of Sufism in the broader context of Pluralism, Diversity and shared space.

One day special lecture on Some Tangential Thoughts on Adab and Civility by Prof. Emeritus C. M. Naim

5th Hazrat Amir Khusrau Lecture, Prof. Chander Shekhar, NCPUL, HRD, New Delhi.

Number of Ph.D/M.Phil Degrees Awarded

Ph.D : 4
M.Phil : 1

Faculty Strength: Permanent -5; Ad hoc – 1; Guest faculty:4; Research Associate: 1

Number of national journals subscribed (online + paper-back version)

Perisan Research Journal

Number of international journals subscribed (online + paper-back version)

1. Danish Nameh
2. Qand-e-farsi
3. Sub-continent: Shihb Ghare, Academy of Perisan Language, Tehran, Iran

PHILOSOPHY

Inter Institutional Collaboration

Students and Faculty exchange programme collaboration with Carlton University, Canada.

Publications

Puri, Bindu. 2015. *The Gandhi Tagore Debate: On matters of Truth and Untruth*. Sophia: Studies in Cross-cultural Philosophy of Traditions and Cultures, Vol. 9, Springer.

Kumar, P. Kesava. 2015. *Jiddu Krishnamurti- A Critical Study of Tradition and Revolution*, New Delhi: Kalpaz.

Journal Articles:

Puri, Bindu. 2015. "The Rights of man; A Gandhian intervention" in (Eds) Jay Drydyk and Ashwini Peetush, *Human rights: India and the West* Oxford University Press, New Delhi.

"Religious Diversity and the Devout" in Sonia Sikka, Lori Beaman and Bindu Puri(Ed) *The IIC Quarterly* Special issue on *Living With Religious Diversity*. IIC, April. 2015

"Finding reasons for being Reasonable: Interrogating Rawls" *Sophia (Springer)* May. 2014

Deverakonda, Balaganapathi. 2014. "Transition from Cultural Diversity to Multiculturalism: Perspectives from Off-shore Industry in India" in *Globalisation and Cultural Encounters. AI & Society: Journal of Knowledge, Culture and Communication* (Springer) co-authored with Sreelekha Mishra & Bharat Kumar. <http://link.springer.com/article/10.1007/s00146-014-0537-8>.

"History of Indian Philosophy: Analysis of Contemporary understanding of the classical through colonial" to be published in *Studies in Humanities and Social Sciences, Journal of the Inter-University Centre for Humanities and Social Sciences, VOL. XIX, No. 1 2015*

Review of the Book *Atlantic Gandhi: The Mahatma Overseas* written by Nalini Natarajan (New Delhi Sage, 2013) in *Journal of Gandhian Studies*, Visakhapatnam. Vol.3. No. 2. 2014

Kumar, P. Kesava. 'Politics of Literature: Contemporary Telugu Katha', *Scholar Critic*, vol1 No.3 December. 2014

Motilal, Shashi. Human Moral Obligations, Dharma, and Human Rights in *Human Rights: India and the West* 1/e (editors) Ashwani Peetush and Jay Drydyk New Delhi: OUP, India (April) 2015.

“Sustainable Development Goals and Human Moral Obligations: The Ends and Means Relation”
Journal of Global Ethics. Volume 11, Issue 1, (April)
<http://dx.doi.org/10.1080/17449626.2015.1010096>. 2015.

Conferences Organized/ Attended

Puri, Bindu :“The Cracked Mirror and the right to speak about the experience of the ‘other’, “Dalit Experience and theory: The Cracked Mirror”, 11th and 12th of March 2015, at the Lucknow Academic Centre.

“Making space for Disagreement ;A philosophical investigation into the Gandhi Tagore debate”, the Max Mueller Bhavan/Goethe Institute New Delhi on the occasion of the release of *The Gandhi Tagore Debate: On matters of Truth and Untruth*. This monograph by Bindu Puri was published by Springer in the series *Sophia: Studies in Traditions of Philosophy & Culture* , Max Mueller Bhavan, January 19th. 2015.

‘Gandhiji and Unto This last’, (Invited as a panellist by the Prasar Bharti Akashwani Delhi), panel discussion on “Gandhiji and the last man”, on 18th March, organized by the Akshwani New Delhi and the University of Delhi, Gandhi Bhavan, University of Delhi. 2015

‘Gandhi Tagore and Ambedkar-overlapping concerns and debates’ (Invited), Department of Philosophy, Kamala Nehru College, University of Delhi on 27th March .This lecture was held on the occasion of *Eidos*, the festival of the Philosophy department, Kamala Nehru College. 2015.

Deverakonda, Balaganapathi. 2015 *Non-Substantialism and Liquid life: A study of Nagarjuna and Bauman* in the Global context a three-day Global Seminar on Understanding the Contemporaneity of Acharya Nagarjuna’s Philosophy, Centre for Mahayana Buddhism, Acharya Nagarjuna University, Guntur, 28th -30th January.

Reconstructing Indian Self: Contributions of Ambedkar’s Concept of Dhamma in a Two-Day International Seminar on Understanding Dr. Ambedkar’s concept of Dhamma: Transforming Self and Society organized by Baba Saheb Bhimrao Ambedkar University, Lucknow on 14th and 15th of April. 2014

A Study on Awareness of Parents and Teachers towards girl Child rights in the International Conference Organized by St. Paul’s College of Education, Bangalore on 12th and 13th of April 2014.

Ambedkar and Indian Philosophy in a two-day UGC - National Seminar on Philosophical Perspectives of Dr. B. R. Ambedkar organized by Department of CDL & Philosophy, Dravidian University, Kuppam on 5th and 6th of March 2015.

Understanding Religious Violence during Global times: Problems of Identity in a Three-day National Seminar on Philosophy of Religion: Conflicts and Perspectives organized by Department of Philosophy, University of North Bengal, Siliguri during 27th – 29th of November 2014.

Kumar P. Kesava. 2015. *Ambedkar's Conception of Democracy: A Philosophical Note* in National Seminar on B.R.Ambedkar and Democracy, organized by Centre for Ambedkar Studies, University of Hyderabad, 28-29 March.

Contemporary Buddhism and the question of Caste: Iyothethass and B.R.Ambedkar in International seminar on Contemporary Buddhism , organized by Centre for Buddhist Initiative, Mumbai University, 22-2 March 2015.

Motilal, Shashi. 2014. “Self-governance: The Need for Values and Ethics” in the Platinum Jubilee Lecture Series of the Bhartiya Vidya Bhavan on 9th May 2014.

Hoernle Research Seminar in Philosophy on “Moral Identity, Moral Agency and the Principle of Universalizability” at Witwatersrand University, Johannesburg, South Africa, July, 2014

“Self-Knowledge, Self-Agency and the Problem of Alienation” at University of Johannesburg, South Africa, July 2014.

Sahni,Pragati 2015."The Idea of ' Body' in Early Buddhist Texts: Some Preliminary Reflections", International seminar titled "Contemporary Buddhism: Applications and Debates" organized by the University of Mumbai .

Conferences Organized/Attended

The Department organized the seminar sponsored by Indian Council for Philosophical Research Lecture delivered by Prof. Sir Richard Sorabji ICPR visiting Professor (Overseas) with title “Freedom of Conscience versus Religion and Speech”.

Number of Ph.D./M.Phil.Degrees Awarded

Ph.D. : 5
M.Phil : 9

Faculty Strength: Permanent - 19

Number of national journals subscribed: :4

PSYCHOLOGY

Activities and Achievements

The research activities of the Department focused around areas of community development, ageing, multivariate techniques, counselling skills, advances in neuro- cognitive psychology research, Buddhism and psychology, art therapy and music therapy and its significance in healing and counselling.

Research Projects

Title Description	Sponsor	Funding Amount
The development and experience of empathy in Adolescents. Prof. Nandita Babu	University Research Grant	Rs. 50,000
Exploration of the "Beauty" construct: Narratives of female fashion models and beauticians in urban India. Dr. Ishita Upadhyay	University Research Grant	Rs. 50,000
Perceived marginalization and inclusion in a diverse society: A Study of Delhi university students Dr. Alka Bajpai	University Research Grant	Rs. 50,000
Memory profiling and Self-management in people with type 2 diabetes. Dr. Dinesh Chhabra	University Research Grant	Rs. 50,000

Inter Institutional Collaboration

Title Description	Sponsoring Organization	Funding Amount
Restoration of enhancement of higher cortical furniture through imagery based cognitive behaviour intervention computer assisted training	DRDO	NA
Building Resilience in Indian Army Personnel	DRDO	NA

Publications

Vatsala Saxena & Nandita Babu. 2015. Respecting Elders as a Moral Virtue: Terminal or Instrumental? Psychological studies springer: New Delhi

Chhabra, D. 2015. 4th Annual International Conference Proceedings on Cognitive and Behavioral Psychology. Global Science & Technology Forum: Singapore.

Kaul, S & Vohra S.S. 2015. Emerging from loneliness and despair. 4th Annual International Conference on Lognitive and Behavioral Psychology (CBP 2015) Singapore 09-10 February, 2015.

Pain A & Vohra S.S. 2015. Loneliness and despair: Understanding its causes and implications of psychotherapeutic interactions in present society. 4th Annual International Conference on Lognitive and Behavioral Psychology (CBP 2015) Singapore 09-10 February, 2015.

Vohra, S.S. & Arora, S.S. 2015. Belief therapy and listeneces building. Social Sciences Internation. Research Journal Vol. 1 issue

Wani M & Vohra, S.S Search for meaning in Life in middle asedhomemakes and its impact on life patipataction. Human Rights International Research Journal Vol. 3

Conferences Organized/Attended

Healing and Counselling In Traditional Indian Spiritual Setting on February 11th 2015.

Significance of the Isha Upanishad for academic psychology, as well as contemporary life by Ms. Shruti Nada Poddar on February 26th, 2015.

Reviving Indian Heritage in Education by Prof. Bharat Gupt on March 4th 2015.

Sufi workshop by Dr. Madan Gopal Singh & Char Yaar on March 26th, 2015.

Love Expressed: A mystical music drama by Dilip Shankar and Mandakani on April 11th 2015.

Importance of Early Experiences for later Development by Prof. Elizabeth Nixon, Professor of Psychology, Trinity College, Dublin, Ireland on September 3rd, 2014.

New Thinking is statistics by Dr. Arvind Misra on 27th March, 2014.

Same Sex Relations in India: Ancient to Modern Times By Prof. Bharat Gupt on February 20th, 2014.

Number of Ph.D Degrees Awarded

Ph.D : 14

Faculty Strength: Permanent-13 ; Ad hoc - 2

Number of National Journals Subscribed (Online + Paperback version)

Subscribed by Central Reference Library

Number of International Journals Subscribed (Online + paperback version)

Subscribed by Central Reference Library.

PUNJABI

Research grants/other projects

Title	Principal Investigator	Sponsoring organization	Status
Translation of Novel Varanasi- A Master Piece Novel by M.T. Vasudevan Nair	Prof. Rawail Singh	Sahitya Akademi, Delhi	Ongoing

“Ishwar Chittarkaar Da Rachna-Sansaar”	Prof. Manjit Singh	Punjabi Academy, Delhi (Govt. of Delhi, N.C.T.)	Completed
Parvasi Punjabi Kaav Lok: Sabhiacharak Roopantaran	Dr. Jaspal Kaur (Associate Professor)	Punjabi Academy, Delhi.	Completed
Research project on Antonio Gramsci under Western Thinker Series	Dr. Ravinder Kumar, Associate Professor	Punjabi Academy, Govt of Delhi, Delhi	Ongoing
“Adhunik Punjabi Kavita: Virachnatmak Padat”	Dr. Kulvir Gojra, Associate Professor	University of Delhi, Delhi	Ongoing

Inter Institutional Collaborations

Punjabi Academy, Delhi sponsored three events.

Publications

Singh, B (alias Baljinder Nasrali). 2014. *Veehanvi Sadi Di Aakhri Katha* (Revised Edition), Chetna Parkashan, Ludhiana.

Singh, B (alias Baljinder Nasrali). *Karamjit Singh Kussa De Novelan Da Sabhyacharak Shastar* (Revised Edition), Chetna Parkashan, Ludhiana.

Kaur, J. 2014. *Anuvaad ate Maukhik Anuvaad Kala*, Manpreet Parkashan, Delhi.

Singh, M. 2014. *Sahitak Virse Di Sambādikta*, Arsee Publication, Delhi.

Kumar, R (alias Ravinder Ravi). (Ed.). (2014). *Kisani Jeevan Di Punjabi Kahani*, National Book Trust, INDIA, New Delhi.

Singh, R. (2015) *Punjabiyyat : Vartaman Te Bhavikh dee Talash*, (pp. 56-62), Samdarshi, Punjabi Academy, Delhi. Issue no. 143 (January-February)

Kumar, R. 2015. (alias Ravinder Ravi). *Ghadar Lehar ate Is Kav Di Sabhiacharak Bhumika ate Samkali Sarthkata*, (pp. 22-29), Samdarshi, Punjabi Academy, Delhi. Issue no. 143 (January-February)

Singh, N. Influence of Sanskrit Avayaya on Punjabi Adverb. (pp 58-63) Samdarshi, Punjabi Academy, Delhi. Issue no. 141, (September-October 2014).

Singh, Y. Itihas Dee Birtantkari: Lali. (pp 6-16) Khoj Patrika, Punjabi University, Patiala Vol.79, (September 2014).

Conferences Organized/Attended

National seminar, “Dialogue, Otherness and Ethics : Theoretical Perspective” on 25-26th February, 2015 in the Departmental Seminar Hall of Punjabi Department, in collaboration with Punjabi Academy, Delhi.

Dr. Sutinder Singh Noor Memorial Lecture on 11th March, 2015 in the Departmental Seminar Hall of Punjabi Department, which was addressed by Sh. Govind Mishar, Saraswati Award Winner, Famous Hindi Writer.

Twelfth Prof. Harbhajan Singh Memorial Lecture on 26th March, 2015 in the Departmental Seminar Hall of Punjabi Department, which was addressed by Prof. Parminder Singh, Guru Nanak Dev University, Amritsar.

Manjit Singh : Claude Levi – Strauss Da Chintan” in “Dialogue, Otherness and Ethics : Theoretical Perspective” on 25-26th February, 2015 in the Departmental Seminar Hall of Punjabi Department, in collaboration with Punjabi Academy, Delhi.

Number of Ph.D./M.Phil Degrees Awarded

Ph.D. : 8
M.Phil. : 5

Faculty Strength : 09

SANSKRIT

Activities and Achievements

The Department of Sanskrit organized celebration of 60 years of excellence in Sanskrit research on 22.10.2014 in the Convention Centre of the University of Delhi. The programme was inaugurated by the Governor of Gujarat Shri O P Kohli and presided over by Prof. Dinesh Singh, Vice-Chancellor, University of Delhi. The Journal of the Department of Sanskrit, University of Delhi and Madhudha, the Sanskrit E-magazine were started by the Department of Sanskrit. Dr. Om Nath Bimali, Associate Professor, Department of Sanskrit has been appointed as Foreign Professor in the Department of Indian Studies, Hankuk University of Foreign Studies, Yonginsi, South Korea. He has been deputed for one year i.e. from 28.3.2015 to 27.3.2016. The electrical works in the research laboratory of the department has been done and computerization of the same is in progress.

Honours/Distinctions

The Department received IIIrd Prize (An amount of Rs. 5 Lakhs) for Good Practices in Innovation and Challenges in Antardhvani – February, 2015.

Dr. Ranjit Behera, Associate Professor, Department of Sanskrit has been awarded best script writer in Sanskrit at upper primary stage in 19th All India Children's Educational Audio Video Festival 2014 organized by CIET, NCERT, New Delhi.

Research grants/other projects

No.	Faculty	Amount	Research projects
i.	Dr Meera Dwivedi	60,000/-	Environment & Ecology: In the Light of Sanskrit literature.
ii.	Dr. Pankaj K. Mishra	60,000/-	Sarvadarśana Sangraha mein Pravṛtha Carvākadarśana Evam Iski Prasāngikata.
iii.	Dr. Ranjit Behera	50,000/-	Rgvedīyasāyanabhāṣyagata devaviṣayak-nirvacavinarśaḥ
iv.	Dr. Subhash ChanDra	60,000/-	Development of Web based expert system for sanskrit grammar for E-learning: In case of subanta prakarana based on Laghusiddhantkaumudi.
v.	Dr. Shruti Rai	50,000/-	Elements of Bhartrihari's Philosophy towards shaping Abhinava

Inter Institutional collaboration

Sr. No.	National collaboration	Grant	Funding agency
1.	<i>All India Sanskrit Elocution competition with Gurkul Kangdi Vishvavidyalaya with support of Sanskrit Academy, Delhi</i>	-	Delhi Sanskrit Academy, Govt. of Delhi
2.	National Workshop on 'Mimamsa philosophy of language as depicted in Nyaya, Vyakarana, Buddhism and Kavyashastra sponsored by ICPR, Govt. of India, New Delhi. The workshop was organized from 09.02.2015 to 19.02.2015.	1,80,000/-	Indian Council of Philosophical Research (ICPR), Govt. of India, New Delhi,

Publications

Pandey, Bhartendu. 2014. *Aagneyam Kavyaswaroopam, PRAACISUDHA, Volume -7, Purusottam Academy of Indology, Puri, Odisha, (April-Sept.)*.

Tiwary, Daya Shankar. 2015. *Kalidasa Ke Natako Mein Nari Ka Sthana: Adhunka Sandarbha, Sahridaya, Vol – 23/7, Nava Unnayana, Paschim Vihar, New Delhi, (Jan-March)*.

The Scientific contribution of Sanskrit towards World civilization Bhasvati, Vol – 26, Mahatma Gandhi Kashi Vidyapeetha, Varanasi, (July-Dec – 2014).

Arya, Mohini. 2014 "*Panini tatha Shakatanan Vyakaran me krit pratyaya vivechan*" *Abhishechanam*", Abhishek Prakashan, C-30, IInd Floor, New Moti Nagar, Delhi (Jan-June)

"Mugdhbodha vyakaran me anubandha prayojan (Kridantasandardhe)" "Abhyudaya", Vidyapati Prakashanam, C-139, First Floor, Karmapura, New Delhi, (Jan-June) 2014

Ranjan, Rajeev.2014.Ramayan Ke Alok Me Dalit Vimarsh Tatha Vartman Sandarbh Me Prasangikta, Shodh Navneet.(July).

Samhita Jyotish Me Bhukamp Mimansa, Research Journal of Astrology (March) 2014. KenDradhipyat Dosh:Guru Aur Shukra Ke Sandarbh Me, Vedjyotishmati (August) 2014..Tritiya Prakriti Evam Jyotishiya Grahyog,Research Journal Of Astrology, ISSN - 2278-7933 (December).2014.

Brihat Samhita Me Stree Vimarsh, Vedjyotishmati, (May).2014

Singh, Satyapal. 2014."Eka Sanjñā Adhikāra meṁ Apādāna ādi sanjñāom meṁ Kāraṅkṛtva ke samāveśa para vicāra ", Prachyavidyanusandhanam, Dr. Ved Pal, 30/2, Sector-4, Jagriti Vihar, Merrut, U.P. January- June , Vol. 9

2014. "Svatantraḥ Kartā Sūtre kāraṅkādhiravimarśaḥ", Hariprabha, Haryana Sanskrit Academy, Panchkula, January- February ,Vol 1-2.

Dindoriya, Ved Prakash .2014. Vidambanavilase Samajikachitranam, Hariprabha, August-September.An International Refereed Monthly Research Journal, Haryana Sanskrit Academy, Panchkula.

Conference Organized/Attended

National Seminar jointly organized by the Departments of Arabic, English, Hindi, MIL&LS, Persian, Philosophy, Punjabi, Sanskrit and Urdu, Faculty of Arts, University of Delhi on the topic "Gandhi in Indian Literature" on 24th April, 2014.

One day Symposium on *Japanese Buddhism* by Prof. Kikuchi and Prof. Minowa, University of Tokyo, Japan. The Symposium was jointly organized by the departments of Sanskrit, Buddhist Studies, Philosophy and Hindi, University of Delhi on 4th August, 2014 in the Faculty of Arts.

One day Symposium on *Aryan Theory in the Light of Textual Evidences* followed by a special lecture by Dr. David Frawley, Director, American Institute of Vedic Studies U.S.A. on 24.11.2014.

A National Seminar on The Crux of Chronology in Sanskrit Literature in the light of Archaeology and Linguistic on 30.03.2015 at Department of Sanskrit, University of Delhi, South Campus.

Number of Ph.D. & M.Phil Degrees Awarded

Ph.D. : 20
M.Phil : 4

Faculty Strength: Permanent -27

Other Significant Information

The Department has started the following research projects:

- i. Aryan Theory in the light of Vedic Chronology.
- ii. The crux of chronology of Sanskrit Literature.
- iii. The Historiography of Sanskrit Poetics.

URDU

Activities and Achievements

The Department organized a Four Day Urdu Festival. The Nizam Lecture and the Ghalib Memorial Lecture were organized as part of the festival. A number of distinguished visitors, Professors and eminent personalities visited the Department and delivered special lectures.

Research Projects : 1

Publications :

Kamal, N.M. 2014. "Pachas Afsaney", *Kitabi Dunia*, New Delhi

Tanqeedi Izhar, Kitabi Dunia, New Delhi. 2015

Nazir Akbar Abadi (Hindi) National Book Trust, New Delhi 2014

Karim S.A. *Gurez*, Novel-Modern Publishing House, Delhi

Nou Tarze Murassa, Modern Publishing House, Delhi 2015

Mohammad Kazim. 2014. *Nasar Ghazali: Hayaat-o-Fan* (Monograph), West Bengal Urdu Academy, Kolkata

Ekisween Sadi Mein Hindustani Stage Aur Urdu Drama in *Ekisween Sadi Mein Urdu Ka Samaji Ve Saqafati Farogh*, compiled by Prof. Khwaja Mohammad Ikramuddin, Published by National Council for Promotion of Urdu Language, Government of India 2014.

Ekisween Sadi Mein Hindustani Stage Aur Urdu Drama in *Urdu Safarnamon mein Hindustani Tahzeeb-o-Sagafat*, compiled by Prof. Khwaja Mohammad Ikramuddin, Published by National Council for Promotion of Urdu Language, Government of India 2014.

Funoon-e-Latifa Aur Iqbal, Quarterly *Jahan-e-Urdu*, Darbhanga, Bihar, January-June. 2015.

Mashini Daur Ka Meer: Rafiq Anjum, Quarterly *Fikr-o-Tahreer*, Kolkata, West Bengal, January March 2015

Sardar Jafri Ke Dramey Mein Aurat Ka Kirdar, *Ghalib Nama*, New Delhi, January 2015.

Abbad A.B. Sardar Jafri Ka Ek Aurshanakhtnama, *Nawa-e-Adab*, Mumbai vol. 64, issue: 12, pp105-116. April-Dec. 2014

Munharif lehje ka shayer: Khalid Ebadi, *Jahan-e-urdu*, Darbhanga, ISSN.2278-3474, vol. 14, issue: 55-56. 2014

Shibli ke Qadre Poshida pehlu ka ghair rewayati motalea, *Urdu Nama*, Mumbai, Oct.2014-March 2015.

Fiction kabazigar: Krishnchandar, *Ajkal*, New Delhi. vol.73. issue:04. Nov. 2014

Kafan Ka Matn Aur Tabeer ki Ghaltiyan, Aiwan-e Urdu, New Delhi, Vol. 28, issue:08, pp 18-22, Dec. 2014.

Parem Chand Ke Dalit Afsanon Ki Qirat, *Jahan-e-urdu*, Darbhanga, vol.15, issue57-58, pp18-35. Jan.-june. 2015

2015. Fiction kabazigar: krishnchandar, Shama-e-Hayat (annual Urdu magazine) 2015

Ara, Arjumand 2014, *PC Joshi: Ek Sawaneh* (Urdu translation of PC Joshi's biography by Gargi Chakravarty), National Book Trust, New Delhi 2014,

Qadri M.A 2015. *Urdu Mein Fan-e-Rajuma Nigari*, Educational Publishing House Delhi 2015.

Najma Rehmani . 2015. *Urdu Afsane Ka Safar* Arshia Publications, New Delhi.

Ahmad Idrisi Ali . 2014.: *Iqbal Ke Ahm Shairi* Makhaz, DL Media Solution.

Conferences Organized/Attended

Kamal, N.M. "Poetry of Meer Dard", at Ghalib academy, New Delhi
"Anami Lahje ka Shair Makhdoom" International Seminar ,Ghalib Institute, New Delhi. "Iqbal's Poetry", National seminar at St. Stephen's College, Delhi.

Lecture on "Dastaangoi" Jamia Millia Islamia, on 14 March 2014.

Mohammad Kazim. Ismat Chughtai Ke Dramey Aur Uske Kirdar at a Two Day National Seminar on Ismat Chughtai: Fikr-o-Fan, organized by *All India Qaumi Ekta Manch*, Kolkata, West Bengal, March 27-28. 2015

Majaaz Ki Shaira Mein Aurton Ka Tasawwur at a Two Day National Seminar on Majaaz: Re-Imagining a Poet and his Legacy, organized by Surendranath Evening College, Kolkata, West Bengal March 25-26 2015

Raza Ali Wahshat Aur Unki Shanakht at a Two Day National Seminar on Wahshat Calcutvi: Fan Aur Fankar, organized by Subhas Chandra Bose Centenary College, Murshidabad, West Bengal March 2 -3 2015

Kalasiki Rewayat Aur Jadeed Fikr Ka Shair : Shahryar at a National Seminar on Shahryar: Ahad Aur Shairi, organized by Fatehpur Village Road Evergreen Welfare Society, Kolkata, West Bengal February 28 2015

Ekkiswien Sadi Mein Hindustani Stage Aur Urdu Drama, at a Three Day World Urdu Conference, Socio-Cultural Development of Urdu in 21st Century, organized by National Council for Prmotion of Urdu Language, Government of India, New Delhi, 30th October to 1st November. 2014

Iqbaal Aur Funoon-e-Latifa at a Two Day National Seminar, *Kalam Eqbal Ka Fikri Aur Saqafati Manzarnama*, organized by *St. Stephen College*, University of Delhi, Delhi.

M.A Quadri : "Gandhi in Urdu Literature" one day Nation Seminar on Gandhi in Indian Literature organized by Departments Sanskrit, English, Urdu, Persian, Punjabi and M.I.L, University of Delhi, 24th April 2014

Abu Bakar Abbad : Mohammed Husain Azad ke Tanqeedi Muhakmay ki ek aur Jeht in a national seminar on Mohammed Husain Azad: Life and Works organized by Zakir Husain Delhi College, Delhi. 2014

ShiblikaNafsiyatiMotalea, in a three day InternationalGhalib Seminar,on Jadeedurdu Nasr KeMemar:Md Husain Azad, HaliaurShibli.organized by Ghalib Institute, Delhi 2014

Md. Husain Azad ketanqidimohakmekiekaur jehat: One day National Seminar in Delhi organized by Zakir Husain Delhi College, Delhi. 2014,

Nazeer ki shayeri me ishq kamausam : Two day seminar, on NazeerAkbarabadi Life & Works, organized byUrdu academy, Delhi 2014

Manto ke afsano kie kaurjmehat,a three days Inter national seminar on Asre HazirmeinMantokitaKhliqatkimanwiyyat, organized by progressive writers association, new Delhi. 2014

Shibli ki Shakhsiyat ke Qadre Poshida pehlu ka Ghairre wayat ijaeza,in a three daysnational seminar on Hali&Shibli, oranized by Sahitya Akademi,New Delhi. 2014

Qadeemaur jade zahniyyat ka sangam: Shahwali-ullah, in a one day seminar, organized by Delhi Youth welfare Association, Delhi 2015.

Urdu shayeri ka pehla taraqqi pasnd:Ghalib,in a three days annual function, organized by Ghalib Academy, New Delhi. 2015

Shibli ka Nafsiyati mutalia, in a two day national seminar, organized by Deptt. Of Urdu, university of Delhi, 2015

Rasheed Ahmad Siddiqikitehreeronmeintanzozarafatkaamal, in a national seminar on Rasheed Ahmad siddiqiurIqbal,organized by Shams Group of schools,Ahmedabad.2015

,ZindaqaumkaKhaliq: Iqbal, in a one day seminar, organized by Iqbal academy(Inda), New Delhi. 2015

Bedi, aurat, jinsaurnafsiyat,in in a two days national seminar on Urdu AdabkesikhAfsananigar, organized by Afsana club(Reg.) Malerkotla, Punjab.2015

Workshops

8-10 Nov. 2014 : Three day workshop on Development of Urdu version of Early Literacy supportingmaterial,

20-21,January 2015: Two days workshop on Development of Tools for status studyof Urdu Language Education in schools,organized by the Department of Education in Languages, NCERT, New Delhi .

14-16 march 2015: Three day workshop on Development of in- service Teachers' professional Development (ITPD) package in urdu, organized by the Department of Education in Languages, NCERT, New Delhi.

20-24 April 2015 : Five day Workshop on Developing a text book in language education for B.Ed. programme(ii) in Urdu.organized by the Department of Education in Languages, NCERT, New Delhi.

Other Signifiant Information

Ara Arjumand.2014:Sheela Sidhantkar Memorial Lecture on Muslim Women Writing in Urdu, organized by Raag Viraag Educational Society, New Delhi

2014, Colonial Jabr aur Mohammed Husain Azadin: a national seminar on Mohammed Husain Azad: Life and Works organized by Zakir Husain Delhi College, Delhi.

Number of Ph.D./M.Phil. Degrees Awarded

Ph.D. : 8
M.Phil. : 19

FACULTY OF EDUCATION**EDUCATION****Activities and Achievements**

The major activities of the Department focused on re-envisioning of Teacher Education. Many faculty members were part of the National Committees and Sub-committees of the Justice Verma Committee set up by NCTE for quality improvement and restructuring of Teacher Education programmes. In the Department, the year focused on developing the Curriculum and Courses of Study for the Two-year B.Ed. and M.Ed. Programmes to be launched in July 2015 as per NCTE stipulations. Several discussion groups were organized and inter-institutional consultations were held.

Research and Development projects, Mini projects under the auspices of IASE and In-service Training Workshops were also held through the year.

Research Projects

The following Departmental Projects were taken up

S.No.	Project Title	Name and Designation
1.	Secular School Education : An Exploratory Study	Dr. Sandeep Kumar, Assistant Professor
2.	Developing Alternative Assessment of Early Literacy	Dr. Shobha Sinha Associate Professor
3.	School Clusters to Enhance Quality of Teaching	Dr. Manju Aggarwal Associate Professor
4.	Re-envisioning the Continuous Comprehensive Evaluation : Cross Curricular Approach and Integration of Life Skills	Dr. Nirupma Jaimini Associate Professor
5.	Professional Development and Capacity Building of Teacher Educators	Mr. Vinod Kumar Kanvaria Assistant Professor
6.	Improving English Reading Comprehension of Children with Dyslexia in Schools : An Intervention Study	Dr. Sailaja Chennat Associate Professor

Publications : 30

Conferences Organized / Attended

The following Seminars / Conferences were organized in the Department :

S.No.	Workshop Title	Speakers
1.	Innovative Practice to Enliven Mathematics Classrooms	Dr. Haneet Gandhi (1day) Mr. Kamal Mahendroo Prof. Geetha Venkatraman Dr. Arindham Bose Ms. Sangeeta Gulati
2.	Children's Literature and Language Classrooms	Dr. Shobha Sinha Mr. Prabhat Ms. Sonika Kaushik
3.	ICT for Teaching and Learning	Mr. Vinod Kumar Kanvaria (1 day) Prof. R. C. Sharma Mr. R. Kathuria Mr. P. Srinivasa Rao Mr. Mukesh
4.	Understanding North-East India : Dialogue on Educational Issues and Challenges	Dr. D. Parimala (2 days) Prof. Sadhna Saxena Dr. Bimol Akoijam, JNU Prof. Satwanti Kapoor, Proctor, DU Dr. George Mathew, Chairman, Institute of Social Sciences, New Delhi Sirawung Raiping, Assistant Professor, Delhi University Dr. Alana Golmei, Founding Member & General Secretary, North East Support Centre & Helpline Dr. Zuchamo Yanthan, Assistant Professor, IGNOU, Delhi Dr. Oinam Hemlata Devi, (YTC) Assistant Professor, Ambedkar University Prof. D.P. Sahare, University of Delhi Shreya Jani, Managing Trustee, STEP Josephine Yazali, (YTC) Associate Professor, NUEPA Prof. Tiplut Nongbri, (YTC) School of Social Sciences, JNU Prof. Janaki Rajan, Jamia Islamia University, New Delhi Bina Lakshmi Nephram,(YTC) Founder Manipur Women Survivor Guns Network
5.	Perspectives in Special Education	Dr. Yukti Gosain (1 day) Dr. Swati Sanyal Dr. Kanchan Narsimhan Dr. Bharti Ms. Preeti
6.	Human Rights and	Dr. Sandeep Kumar (1 day)

	Pedagogy	Dr. Bulbul Dhar Dr. Sudipta Ghosh
7.	Student- teacher theme : Childhood	Prof. Poonam Batra (1 day) Dr. Samina Mishra Prof. Farah Farooqui Ms. Sharmila Bhagat Prof. Poonam Batra (2 day) Dr. Samina Mishra Prof. Farah Farooqui Ms. Sharmila Bhagat
8.	Inclusion Education : Transcending Challenges	Dr. Sheela Rajeshwari (1 day) Prof. Anupam Ahuja Dr. Nidhi Sabharwal Dr. Subhash Chander

Number of National journals subscribed (online + paperback version) : 16

Number of International journals subscribed (online + paperback version) : 15

Number of Ph.D. / M.Phil. Degrees Awarded

Ph.D. : 17
M.Phil. : 9

FACULTY OF LAW

Activities and Achievements

Faculty of Law successfully completed entrance test and admission process for L.L.B. and L.L.M. for the academic session 2014-15. The Faculty admits Ph.D. candidates twice a year on the basis of their performance and research proposal.

Published 32nd volume of Delhi Law Review (DLR) ISSN No. 097-4936

Organized several Special Lectures on various issues suitable for LL.M. course and current legal trends.

Held an Orientation Programme for LL.M. First Year Students 2014-15, in which students had the opportunity of interacting with Prof. C. Rajkumar, Vice-Chancellor, Global Jindal University, Sh. K.K. Mann, Chairman, Bar Council of Delhi, Prof. M. Afzal Wani, Dean, School of Law, GGIPU and Prof. Ashwani Kumar Bansal, Dean, Faculty of Law.

‘Swachhh Bharat Campaigns’ were promoted in the campus and surrounding areas on more than three occasions in which most of the teachers and students participated.

Research projects

Prof. Ashwani Kumar Bansal, R & D project of Rupees 70,000 sanctioned by Delhi University.

Dr. Sarbjit Kaur, Associate Professor, R & D project of Rupees 70,000 sanctioned by Delhi University.

Publications

Book of Select Papers published by Faculty of Law, with ISBN NO. 978-81-931320-0-5

Number of Ph.D./M.Phil Degrees awarded : 07

Faculty Strength: Permanent - 45 : Ad hoc - 81

Number of National journals subscribed (online + paper back version) : 49

Number of International journals subscribed (online + paper back version) : 44

CAMPUS LAW CENTRE

Activities and Achievements

International Conference on “Combating Human Trafficking with Special Reference to Women and Children”, 13th -15th February, 2015. The Conference witnessed worldwide participation with delegates from U.S.A, U.K., Australia, South Korea, Egypt, Austria, Bolivia, Indonesia, Nigeria, Nepal, Fiji, Iran, Afghanistan, Bangladesh, Sri Lanka.

Additional Solicitor General of India Ms. Pinky Anand delivered a Lecture on ‘The Making of an Advocate’ on 12th March, 2015.

A workshop on “Success in Oral Advocacy Competition” by Prof. (Dr.) Susan L. Karamanian, Associate Dean for International and Comparative Legal Studies, George Washington University Law School on 16th January, 2015.

The XI K.K. Luthra Memorial Moot Court Competition from 16-18th January, 2015. The exclusive criminal law International competition saw participation from 52 teams from India and abroad. The International teams taking part included Bangor Univ. Law School (UK), Northumbria Univ. (UK), George Washington Law School (USA), Sri Lanka Law College, London College of Legal Studies (South), Bangladesh, Kathmandu School of Law (Nepal) and team from Indonesia.

An inter-state debate competition, Confero, on the topic “Cyber World is nothing but a fertile ground for Criminals” on 19th February, 2015.

A Lecture Cum Interactive Session on “Transformative Constitutionalism: Comparing The Apex Courts Of Brazil, India And South Africa.” by Hon’ble Mr. Justice Zakeria “Zak” Yacoob, former Constitutional Court Judge, South Africa on 5th November, 2014.

Indo - Uk Workshop on “Emerging Trends In Constitutional Law” on 7th November, 2014. Professor Daniel Wincott, Blackwell Professor of Law and Society, Head of School, Cardiff Law School, U.K; Professor (Dr.) Upendra Baxi, Emeritus Professor of Law, University of Warwick, Former Vice Chancellor, University of Delhi and University of South Gujarat; Mr. Manoj Raghuvanshi, Senior Journalist and Media Personality and Dr. Aman Hingorani, Advocate on Record & Mediator, Supreme Court of India were present in the event.

The Distinguished Alumni Lecture by Hon’ble Mr. Justice Rinzin Penjor, Judge, Supreme Court of Bhutan on “Legal Issues in Drugs Trafficking in South Asia” on 12th August, 2014.

“Best Memorial Award” at 21st M.C. Chagla Memorial Government Law College National Moot Court Competition, 2014 organized by Government Law College, Mumbai.

“Best Researcher Award” at 8th Pro Bono Enviro National Moot Competition, 2014 organized by School of Excellence in Law, Chennai.

“Best Speaker Award” at 14th Amity Law School National Moot Court Competition, 2015 organized by Amity Law School, Delhi.

“Runners Up” at 9th Remembering S.P. Sathe National Moot Court Competition, 2015 organized by ILS Law College, Pune.

“Runners Up” at XI K.K. Luthra Memorial Moot Court Competition 2015, organized by Campus Law Centre, University of Delhi.

Special Mention for the performance and a trophy at UPES’ 5th Paras Diwan Memorial International Energy Law Moot 2015, Dehradun.

Best Student Para Legal Volunteer in Delhi for the year 2014.

2nd Prize for the Best Research Paper Titled, “Cyber Terrorism: Responses For the Era From National & International Perspective” at the 4th International Conference held at IMS, Noida on 13-14 March, 2015 on the theme “Emerging Innovations In Social Media and its Implications”

2nd Place in conventional debate - Zenith, The Economics Department Festival of Miranda House.

Gold Medal by Badminton Team at Virudhaka, 2015 organized by NLIU, Bhopal.

Gold Medal by Badminton Team at Magnus, 2015 organized by O.P. Jindal University, Sonipat.

Publications

Books and Project Reports

Dr. Usha Tandon: Gender Justice: A Reality or Fragile Myth (ed.), 2015, Regal Publications, New Delhi.

Proceedings of International Conference on “Mitigation of Climate Change: Law Policy and Governance”, (ed.) 2014, Campus Law Centre, University of Delhi.

Articles

“Gender Based Violence and Female Foeticide” in Usha Tandon (ed.) “Gender Justice: A Reality or Fragile Myth” (ed.), 229, 2015.

“Constitutional Justice and Social Integration with Special Reference to India: An Indian Experience” 2 Yonsei Law Journal Vol. 5 No. (2014).

Dr. Gunjan Gupta, Associate Professor: Co-authored, "Law of Notices with Electronic Cheques", Second Edition, 2014, Universal Law Publishing Company, New Delhi.

Ms. Neha, Assistant Professor: “Role of Indian Judiciary in the Protection of Right of Disabled Person” Journal of the Campus Law Centre (ISSN:2321-4716) , Volume II.

Conferences Organized/Attended

Professor (Dr.) Usha Tandon, Professor-In-Charge, CLC: Conference Director, International Conference on “Combating Human Trafficking with Special Reference to Women and Children” organized by Campus Law Centre from 13th -15th February, 2015.

Presentation on “Gender Justice -Challenges” in the Judicial Seminar on “ Social Context Adjudication for the officers of Delhi Higher Judicial Services and Delhi Judicial Services”, organized by the Delhi Judicial Academy on 28th & 29th November, 2014.

Spoke as a Guest of Honour on “Women Empowerment and Law” at Saket College, Ram Manohar Lohia University, Faizabad, Uttar Pradesh, 22 November, 2014.

Professor (Dr.) P.S. Lathwal:Co-Chair in Technical Session-I (February 13, 2015) in International Conference on “Combating Human Trafficking with Special Reference to Women and Children” organized by Campus Law Centre from 13th -15th February, 2015. Participated in International Conference on “Global Environmental Issues” at Vigyan Bhawan, New Delhi on March 14-15, 2015

Mr. S. K. Gupta (Associate Professor): Resource Person, International Conference on “Combating Human Trafficking with Special Reference to Women and Children” organized by Campus Law Centre, 13th -15th February, 2015.

Resource Person, Seminar on Justice Delivery System in Matrimonial Cases organized by Delhi Judicial Academy.

Dr. Alka Chawla, Associate Professor: Paper presentations:“Teaching and Research in International Law with special reference to Intellectual Property Rights”, World Congress on International Law organized by Indian Society of International Law (Delhi, 10.01.2015). “Curriculum, Pedagogy and Research Innovations in Law Schools”, at a seminar on “The Future of Legal Education in India”, organized by O. P. Jindal Global Law School, Sonapat, Haryana, (29.09.2014).“Copyright Protection and Infringement Issues”, Workshop on IPR, Patenting and Patentability Assessment organized by IPR Cell and Research Council (Under the aegis of MHRD IPR Chair), University of Delhi.(04.09.2014)

Dr. Raman Mittal, Associate Professor: Paper presentations:
“Mechanisms to Make End-Users of Copyright Works Pay through CRM: International Trends and Indian Practice”, at the 6th Conference on European and Asian Intellectual Property—Exploring Sensible Ways for Paying Copyright Owners, at Taipei, Taiwan (June 11, 2015).

“Intellectual Property Jurisprudence in India” at International Symposium on Indian IPR Law and Its Utilization at Tokyo, Japan (February 13, 2015).

“Why Specific Rules on Unfair Competition—The Indian Approach” in Unfair Competition Conference organized by Max Planck Institute of Competition and Innovation at Berlin, Germany (October 9-11, 2014).

“Licensing of Intellectual Property” at ‘National Workshop on Competition and Licensing of IP: Human Rights Dimensions’ organized by Department. of Law, University of Kerala, Trivandrum (July 5, 2014).

“Copyright Licensing: A Practical Approach” at WIPO Summer School organized by World Intellectual Property organisation at ISIL, New Delhi (March 9, 2015).

Dr. Gunjan Gupta, Associate Professor: Participated in the International Conference on “Combating Human Trafficking with Special Reference to Women and Children” organized by Campus Law Centre from 13th -15th February, 2015.

Faculty Strength: Permanent-12: Ad hoc-28: Guest Faculty- 7

No. of National Journals subscribed : 49

No. of International Journals subscribed : 44

ONLINE

1. E-Jurix
2. Encyclopedia of cyber crime
3. Indlaw.com
4. Legal Pandit
5. Lexis-Nexis
6. Making of modern law
7. Manupatra
8. Westlaw

OFFLINE

1. Annual Survey of Indian Law
2. Journal of Indian Law Institute
3. Law Pack
4. Patent and Trade Mark Cases

LAW CENTRE-I

Activities and Achievements

Law Centre-I, is the largest Centre of the University in terms of the strength of faculty members and student intake. Continuing its endeavours in the interests of academics and students, the Centre successfully completed the following:

Organization of ‘National Moot Court Competition from Feb. 20-22, 2015’ funded by National Human Rights Commission (NHRC) where 36 teams from law schools across India participated. The Semi-final and Final rounds were judged by Hon’ble Justices of the Supreme Court, NHRC Chairperson, and Judges of the High Court of Delhi.

Published fourth volume of Journal of Law Teachers of India (JOLT-I) ISSN No 2231-1580.

Held the ‘XII All Delhi (NCR) Moot Court Competition, 2014’ on Nov. 15, 2014.

Organized a Special Lecture on ‘Selection and Role of Governor in Victoria (Australia): Comparison with India’ by H.E. Hon. Alex Chernov, AC, QC, The Governor of Victoria, Australia.

Held an Orientation Programme for LL.B. First Year Students 2014-15, July 28, 2014 in which students had the opportunity of interacting with Sh. Harish Salve Sr. Advocate, Supreme Court (Former Solicitor General of India) and Ms. Pinky Anand, (Additional Solicitor General of India).

‘Swachh Bharat campaigns’ were held in the campus and surrounding areas on more than three occasions in which most of the teachers and students participated.

Honours/Distinctions

Prof. Ashwani Kumar Bansal, (Head and Dean Faculty of Law) has been granted *MHRD Chair* for Intellectual Property.

Prof. Ashwani Kumar Bansal, became Member, Executive Council, University of Delhi, highest decision making body of University; Visiting Faculty: Indian law Institute, ICPS, IIPA, IIT Roorkee, Institute for Studies in Industrial Development, Delhi.

Dr. Anju Vali Tikoo, Assistant Professor - Chaired a session on Surrogacy in India : Medico, legal, ethical issues, in the National seminar on Surrogacy – Issues and challenges, organized by National Law University, Delhi, in collaboration with National Commission for Women on 14th September, 2014.

Dr. L. Pushpa Kumar, Assistant Professor - Chaired one of the sessions on Environment and Resources Protection on 11th January 2015, in the Students Workshop programme of 3 day World Congress on International Law, organized by Indian Society of International law, Delhi.

Dr. Gireesh Kumar, Assistant Professor, Chaired the keynote address session in the National Workshop on Licencing of Intellectual Property, Human Rights Dimensions, conducted by Department of Law, University of Kerela, from 4th and 6th July 2014.

Dr. Gireesh Kumar, Assistant Professor, Chaired the keynote address session in National Seminar on Gender Justice vis-à-vis India's Cultural and Family Values, conducted by NUALS, Kochi, Kerela on 2nd February 2015.

Research projects 02

Prof. Ashwani Kumar Bansal, R&D project of Rupees 70,000 sanctioned by Delhi University.

Dr. Sarbjit Kaur, Associate Professor, R&D project of Rupees 70,000 sanctioned by Delhi University.

Inter Institutional Collaboration

The Centre in collaboration with the NHRC organized a 'National Moot Court Competition from Feb. 20-22, 2015' funded by National Human Rights Commission (NHRC). The fund of Rupees 6 lakh forty thousand approx. was received from NHRC.

Publications

Prof. Ashwani Kumar Bansal, Book Published: Law of Trade Marks in India, 3rd Edition, 2014, 1600 pages, Thomson Reuter 2014.

Prof. Ashwani Kumar Bansal, Editor-in-Chief of Journal of Law Teachers of India (JOLT-I) ISSN No 2231-1580 and Delhi Law Review published in 2014.

Prof. Ashwani Kumar Bansal, (Articles Published) "Insights into Select Issues of IPR Laws", DLR 2013 p1 volume 32 (published 2014).

Expansion of Copyright Defence by De Minim's Rule of Fair Dealing: Lessons from USA and Canada. p1, Book of select papers, p.1 published by Faculty of Law Delhi University, December, 2014.

Prof. Ved Kumari, (Research Papers:) Sexual Violence and Criminal Justice Administration in India" co-author Prof. Ravinder Barn, University of London, UK, in British Journal Of Criminology, advance access published on 9th Feb 2015 available at <http://bjc.oxfordjournals.org/cgi/reprint/azu112?ijkey=w3Li01enAIWazIk&keytype=ref>

Prof. Ved Kumari, (Research Papers:) "Juvenile Justice Bill 2014 – A Regressive Step" in 56(3) Journal of Indian Law Institute p. 303 (July – Sept 2014).

Dr Sarbjit Kaur, (Book published) Service Tribunals – An introduction (Satyam Law International, 2015) (978-93-823-19-3).

Dr Sarbjit Kaur, Paper published on 'Relevance of Sedition Law in Indian Democracy (JOLT-I(2013)) ISSN No 2231-1580, published in 2015.

Dr P.B.Pankaja, Associate Professor - Paper published in April 2014 on, Legal literacy as a tool of Legal Aid – A practical approach, in Mc Stanford Journal of International Management, Vol 1 Issue 10 (Feb, 2014) pp. 25-32 (ISSN 2321-1652).

Dr Sunanda Bharti, (Paper published) 'Law Cries for Change: Assessing MTPA, 1971 for Mentally Retarded Pregnant Women' in Delhi Law Review 2013, Vol. No. 32 p. 165-180 ISSN No. 097-4936 published in 2015.

Dr Sunanda Bharti, (Paper published), Supreme Courts Brush with Personality' Volume 4 of JOLT-I, 2013, page no. 152-162 ISSN No. 2231-1580 published in 2015.

Conferences Organized/Attended

Prof. Ashwani Kumar Bansal, Participated in recent International Conference on Cyber Law, Cyber Crimes and Cyber Security, organized by Cyberlaws.net on 20 Nov 2014 at IIC, New Delhi.

Prof. Ved Kumari, *Training and Workshop Conducted:*

"International Law relating to Women and Children and its Impact on Indian Law" and "Protective Legislations relating to Women and Children" in National Conference of Judges of the District Judiciary on Law Relating to Women and Children(20-22 Feb 2015);

"Tools and Techniques for Initiating Research Activities in the Training Institutions" and "New Vistas of Research for the Judicial Academies" in the National Conference of State Judicial Academies on Continuing Judicial Education: Review of Research Activities and Refresher Programmes at SJA (10-11 Jan 2015);

"Child Access, Visitation and Custody: Best Practices for Promoting Best Interests of Children" and "Key Issues in Child Rights Protection and Juvenile Justice Administration" in Professional Development Training Workshop on Justice to Children and Child Rights Advocacy being organized by IBA-CLE Chair and MILAT in association with the School of Law, Tata Institute of Social Sciences, Mumbai between 28th February and 4th March, 2014;

"Protection of Children against Sexual Offences Act and Delhi High Court Guidelines" in the Training for Judicial Officers in Delhi on Making Courtroom Practices Responsive towards Victims of Sexual Offences organized by Delhi Judiciary on 8-9 February 2014;

"Protection of Children against Sexual Offences Act and Delhi High Court Guidelines" in the Training for Judicial Officers in Delhi on Making Courtroom Practices Responsive towards Victims of Sexual Offences organized by Delhi Judiciary on 11-12 January 2014

Seminars and Conferences: "Human Rights Teaching and Research" in First Annual Law Conference of Indian Law Institute on Human Rights Contemporary Issues and Challenges held on 10th December 2014

"Juvenile Justice (Care and Protection of Children) Bill 2014: Pre and Post Amendment Situation of the Juvenile Justice System" in the National Conference of the Principal Magistrates and Members of Juvenile Justice Boards held at National Judicial Academy on 21-23 November, 2014;

“Juvenile Justice Jurisprudence: Indian History, fixing cut off and relevance to criminal responsibility” in Round Table on Juvenile Justice Bill organized by Human Rights Law Network at Kochi on 8th November 2014

Dr Poonam Dass, Presented a paper on, Reprographic rights of owners of copyrighted works in digital era and free use for educational purposes – An analysis of International and National provisions, in the 3 day World Congress on International Law: Contemporary issues of international law, organized by Indian Society of International Law, Delhi, on 11th January 2015.

Dr Gireesh Kumar, Presented a paper on, Health rights of differently abled: The charity versus right approach, in National seminar on Health law and policy conducted by Department of Law, University of Kerela on 23-25 April 2014.

Dr Gireesh Kumar, Paper presented on Parliamentary Democracy and judicial independence in the National Seminar on Parliamentary Democracy in India, conducted by KKT Government college, Kadungalloor, Trichur, Kerela.

Faculty Strength: Permanent-21; Ad-Hoc -32

Number of national journals subscribed (online + paper back version): Online National Journals: All the journals and Data Base which is subscribed/available at the DU server.
Paper Back Version: 24

Number of international journals subscribed (online + paper back version)
Online International Journals: All the journals and Data Base which is subscribed/available at the DU server.

LAW CENTRE-II

Activities and Achievements

Law Centre-II, Faculty of Law, University of Delhi organized an Orientation Programme to welcome the class of 2014-15 on 31st July, 2014. The Orientation Day aimed to acquaint the students with the faculty members and the integral facilities provided by the institution. It also provided the students with an opportunity to mingle with each other. The Delhi High Court Judge and a Law Centre-II alumnus Justice V. Kameshwar Rao graced the occasion as the chief guest. In his inspiring speech to the students, he focused on hard work and specialization as the key to gain an edge over the others in the legal profession. He also pointed out the importance of regular studies and keeping abreast with the most recent legal precedents. Prof. M. Afzal Wani, Professor and Dean, University School of Law and Legal Studies, gave the keynote speech. Prof. B. T. Kaul, Chairperson, Delhi Judicial Academy, Prof. Ashwani Kumar Bansal, Dean Faculty of Law and Prof. Ved Kumari were present and graced the occasion. In the last address, Dr Kiran Gupta, Professor-in-Charge, Law Centre-II instilled the values of the institution in the students which rest on sincerity and discipline.

Inauguration of Legal Services Clinic: The Legal Services Clinic was established at the premises of Law Centre-II on 17th November, 2014. The clinic was inaugurated under the aegis of Hon'ble Mr. Justice Badar Durrez Ahmed. In their notable speeches, the guests mentioned the need for legal literacy across the country, as well as in a metro city like Delhi where a significant part of the population is slum-dwellers and largely uneducated. As a result, women and children of such fringe communities become the most vulnerable target.

Guest Lecture: Special guest lectures were delivered to the students of VIth Semester by Dr Rajesh Gupta, advocate, on the topic “ Law relating to dishonour of Cheques”, and by Prof. Poonam Saxena on the topic “Recent Developments of Family Law”.

Annual Day Programme : The Annual Day of Law Centre II was organized. The Chief Guest of the evening was Mr. Satyapal Yadav, Member of Parliament and former Commissioner of Police, Mumbai. This event marked the culmination of yet another successful year at Law Centre II. Students were given certificates for participating in legal aid camps held throughout the year under the aegis of Delhi State Legal Services Authority.

The Moot Court and Debate Society: Law Centre II organized its National Moot Court and Debate Competition, Justified 15, from 27th to 29th March, 2015. The same was inaugurated by Justice V. K. Jain, Former Judge Delhi High Court and present President of National Consumer Disputes Redressal Commission. A total of 33 teams from various prestigious law institutes spread across the country participated to make this event a grand success. All the teams were judged by over 50 judges who have made their mark in the legal profession either as prominent lawyers or judges. The three day event consisted of two competitions- Moot Court and Debate. The valedictory function was presided over by Honourable Justice Vijender Jain, Chairperson of Harayana and Utrakhand Human Rights Commission; Honourable Justice Mukta Gupta, Judge of Delhi High Court; Professor Afzal Wani, Head and Dean, University School of Law and Legal Studies, Guru Gobind Singh Indraprastha University; and Professor Ashwini Kumar Bansal, Head and Dean, Faculty of Law, University of Delhi. All the dignitaries applauded the professionalism with which the participants argued, and reiterated the importance of Moot Court Competitions in making great lawyers. Our students participated in 11 National Moot Courts at different places across the country.

Jail visit: A team of 40 students accompanied by 3 faculty members visited Tihar Jail in the month of February, 2015. It was an informative visit for the students as they spoke to many convicts as well as under- trial prisoners. They were apprised of the rights of the accused and the role of prisons like the Tihar Jail in their rehabilitation. This visit surely helped the students in their more comprehensive understanding of the legal system, and will be of crucial aid to them in the near future.

Legal aid camp: The students and faculty of Law Centre-II organized two Legal Aid Camps one at a village in Greater Noida, UP and another in Najafgarh. Teams of 40 students accompanied by faculty members and lawyers visited these villages to spread legal awareness.

The Law Centre Website

As an attempt to give virtual presence of the Centre, the Centre has its own website: www.lc@.which is continuing to unfold.

Publications

Deswal, Vageshwari (2014). Rights of Rape Victims in India: A Legal Analysis. *Journal of NHRC*, 13.

Deswal, Vageshwari (2014). Palimony to Women in Live-in-relationships. *MahilaVidhiBharati*, 78.

Deswal, Vageshwari (2014). Project Report titled “*Acid Violence against Women in India*” published by NCW in Oct 2014.

Deswal, Vageshwari (2014). Vitriolage and Women in India-The Legislative Response. Promila Chugh and Suman Lata, eds. *Law and Social Justice in India*. M.D. University, Rohtak.

Jha, Anupam (2014). The Legal System of Mauritius: A Brief Study on a Hybrid Model. 5 *Asian African LCO Quarterly Bulletin*. 5 (1-4), 95.

Jha, Anupam (2014). Dynamics of Legal Regime on Safety of Nuclear Power Plants in India After Fukushima Disaster. *Journal of Risk Research*, 17 (1-2), 145-160.

Kumar, Alok (2014) 'Concept of Law' a Unit on Law Course for Senior Secondary Students developed by National Institute of Open Schooling, NOIDA (2014)

Kumar, Alok (2014) 'Personal Law I: Hindu and Muslim Law' a Unit on Law Course for Senior Secondary Students developed by National Institute of Open Schooling, NOIDA (2014).

Faculty Strength: Permanent-13; Ad hoc-19

No. of National Journals subscribed (Online + paperback version)- 36

No. of International Journals subscribed (Online + paperback version)- 02

FACULTY OF SCIENCES

ANTHROPOLOGY

Activities and Achievements

The Department of Anthropology, founded in 1947, imparts teaching in all major branches of Anthropology. During 2014-15, the Department organized a large number of seminars, workshops and discussions.

The academic year began with a Delhi University funded one-day seminar on 'Reflexivity and practical experiences: Doing Anthropological Fieldwork'. The papers presented in this seminar emphasized the experiences and challenges during anthropological fieldwork. This was followed by a one day UNICEF-DU collaborative "Brainstorming session on Tribal Malnutrition" workshop which highlighted the importance of nutritional status of various Indian populations and ways to combat malnutrition.

The Department also celebrated 'Rashtriya Ekta Diwas' with an informal discussion on the future of anthropology in the light of Patel's contributions and also National Cleanliness Day which marked presence of retired faculty members of the department. This was followed by a two day National conference on 'Anthropological Perspectives on Environment, Development, Public Policy and Health' highlighting the contribution of anthropology in public health policies. The Department celebrated the Science day on 2nd March 2015 by organizing a one-day seminar on how anthropology applies a holistic approach in understanding nature's infinite book of secrecy.

Honours/ Distinctions

Prof. P.C. Joshi is the President, Society for Indian Medical Anthropology, 2014-2017.

Prof. P. C. Joshi invited as Chief Guest, National Seminar on Globalization and Disadvantaged Groups, Aligarh Muslim University, February 26, 2015.

Prof. G.K. Kshatriya was Visiting Professor to School of Nursing, University of Coahuila, Mexico from October 2014 through December 2014.

Research Projects

Title	Principal Investigator	Description	Sponsor	Funding Amount (Rs.)
“Psychosocial and Biological Determinants of Cardiovascular Disease: A Study among Bhils and Meenas of Rajasthan”	Prof. P.C. Joshi	Principal Investigator	DU-DST	2,00,00,000.00
“Molecular Genetics of Hypertrophic Cardiomyopathy–A Delhi Family Study”	Prof. V.R. Rao	Principal Investigator	DST	43,34,200.00
“Role of FoxP3 mRNA expression, Th17-Treg paradigm and hCG levels in Preeclampsia”	Dr. K. N. Saraswathie	Principal Investigator	DST	54,60,000.00
“Genetic and Epigenetic Determinants of Obesity and Diabetes in India”	Dr. Vipin Gupta	Co-Applicant	Wellcome Trust, UK	£198,000.00
“Genetics and Epigenetics of Lung function among the 6000 victims of Bhopal Gas tragedy”	Dr. Vipin Gupta	Principal Investigator	ICMR, India	49,98,100.00
“COPD genetics Consortium”	Dr. Vipin Gupta	Co-PI	DBT, India	87,80,450.00
“Phenotype Genotype Correlation among Patients with Juvenile onset Primary Open Angle Glaucoma”	Dr. Vipin Gupta	Co-Investigator	DBT, India	28,00,000.00

Inter Institutional Collaboration

Title	Principal Investigator	Description	Collaborator	Funding Amount (Rs.)
“Molecular Genetics of Hypertrophic Cardiomyopathy–A Delhi Family Study”	Prof. V.R. Rao	Principal Investigator	AIIMS	43,34,200.00
“Role of FoxP3 mRNA expression, Th17-Treg paradigm and hCG levels in Preeclampsia”	Dr. K. N. Saraswathie	Principal Investigator	LHMC	54,60,000.00
“Genetic and Epigenetic Determinants of Obesity and Diabetes in India”	Dr. Vipin Gupta	Co-Applicant	Wellcome Trust, UK	£198,000.00
“Genetics and Epigenetics of Lung function among the 6000 victims of Bhopal Gas tragedy”	Dr. Vipin Gupta	Principal Investigator	ICMR	49,98,100.00

“COPD genetics Consortium”	Dr. Vipin Gupta	Co-PI	DBT	87,80,450.00
“Phenotype Genotype correlation among patients with Juvenile onset primary open angle glaucoma”	Dr. Vipin Gupta	Co-Investigator	DBT	28,00,000.00

Publications : 35

Acharya, S.K., Das, P.K. and Kshatriya, G.K. 2015 “Love and marriage practices among the Pauri Bhuyan tribe in Keonjhar district of Odisha, India” *The Eastern Anthropologist*, 68: 27-43

Aribam, B.S., P.C. Joshi and S. Sharma 2015 “Management of acute respiratory tract infections in a slum cluster of Delhi” *International Journal of Scientific Research*, 4,6:642-644

Bansal, A. and P. C. Joshi 2014 “Estimation of Waist and Hip Circumference using Body Mass Index in Delhi School Girls (6-11 Years) *Journal of Biosocial Science*, pp. 1-5

Gupta, S. and P.C. Joshi 2015 “Critical view on globalization and development with special reference to India” In A. Matin, M. Akram and S. Nasir (eds.) *Development, Health and Globalization*, Academic Publications, Delhi. pp. 44-64

Gupta V, Millett C, Walia GK, Kinra S, Aggarwal A, Prabhakaran P, Bhogadi S, Kumar A, Gupta R, Prabhakaran D, Reddy KS, Smith GD, Ben-Shlomo Y, Radha Krishna KV, Ebrahim S. 2015 “Socio-economic patterning of cardiometabolic risk factors in rural and peri-urban India: Andhra Pradesh Children and Parents Study (APCAPS)” *Journal of Public Health (Springer)*, DOI:10.1007/s10389-015-0662-y

Joshi, P.C. 2014 “Anthropological perspective on traditional healing practices among indian scheduled tribes” in *Health in the context of tribal culture* (D. K. Behera edited), pp. 18-3, Concept Publishing Company Ltd., New Delhi.

Joshi, P. C. 2015 “Gandhi, Gita and the idea of sustainable development” *World Focus Vol.* 422:9-13

Khan Simi, Thakur Sunil, Kallur Saraswathy Nava, Ghosh Pradeep Kumar, Sachdeva Mohinder Pal, & Vadlamudi Raghavendra Rao 2014 “Methylenetetrahydrofolate reductase (MTHFR) C677T polymorphism among Gaddi tribe of Indian state of Himachal Pradesh” *Annals of Human Biology*, (0), 1-3

Khatti, P. and P.C. Joshi 2015 “Bio-medicalization and Gandhi’s vision of health: Observations from Sevagram” *Economic and Political Weekly Vol.* 50, No. 10: 53-58

Kinra S, Radha Krishna KV, Kuper H, Sarma KVR, Prabhakaran P, Gupta V, Walia GK, Bhogadi S, Kulkarni B, Kumar A, Aggarwal A, Gupta R, Prabhakaran D, Reddy KS, Davey Smith G, Ben-Shlomo Y, Ebrahim S 2014 “Cohort Profile: Andhra Pradesh Children and Parents Study (APCAPS)” *International Journal of Epidemiology* 43(5):1417-24

Kshatriya, G.K. 2014 “Association of antropometric variables with selected metabolic risk factors: A study among the tribes of West Bengal” *Man in India*: 94: 539- 553

Kshatriya, G.K. and Acharya, S.K. 2014 “Tribal health in India: An overview” in D.K. Behera (ed.) *Contemporary Society, Tribal Studies*. Concept Publishing Company, New Delhi, pp. 249-281

Mitra, S., Khurana, P, Panmei, T. and Kshatriya, G.K. 2015 “Allele frequencies of PON1 Q192R polymorphism in four populations of India” *Environmental Toxicology and Pharmacology*, 39: 1051-1056

Mitra S and Kshatriya G.K. 2014 “Failure of male contraception: An insight” *Anthropol* 2:119

Khurana P., Aggarwal A., Mitra S., Italia Y.M., Saraswathy K.N., Chandrasekar A. and Kshatriya G.K. 2014 “Y chromosome haplogroup distribution in Indo-European speaking tribes of Gujarat, Western India” *PloS ONE* 9(3): e90414

Sanyal, Jaya, Arpita Jana, Epsita Ghosh, Tapas Kumar Banerjee, Durga Prasad Chakraborty, VR Rao 2015 “Evaluation of PARKIN gene variants in West Bengal Parkinson’s disease patients” *Journal of Human Genetics* 2015: 1-8

Sanyal, Jaya Tapas Kumar Banerjee, VR Rao 2014 “Dementia and cognitive Impairment in Parkinson’s disease patients from India: A 7-year prospective study” *American Journal of Alzheimer’s disease and other dementias* DOI: 10.1177/1533317514531442

Saraswathy, K. N., Garg, P. R., Salam, K., Joshi, S., Huidrom, S. S., & Ghosh, P. K. 2014 “MTHFR C677T polymorphism and its homocysteine-driven effect on blood pressure” *International Journal of Stroke*, 9(4), E20-E20

Saraswathy, K.N., H. Suraj Singh, SK Devi 2014 “DRD1 (-48A/G DdeI) gene polymorphism and alcohol dependence – a study among Meiteis of Manipur, India” *Human Biology Review*, 3(3): 226-232

Shivani Pasi, Piyooosh Kumar Singh, Rajeev Kumar Pandey, P.C. Dikshit, R.C. Jiloha, V.R. Rao 2015 “Evaluation of psychiatric and genetic risk factors among primary relatives of suicide completers in Delhi NCR region, India” *Psychiatry Research* DOI:10.1016/j.psychres.2015.07.015

Singh, H Suraj, SK Devi, KN Saraswathy 2014 “DRD1 (-48A/G Del) gene polymorphism and alcohol dependence - a study among Meiteis of Mabipur, India” *Human Biology Review*

Singh, H. S., Salam, K., & Saraswathy, K. N. 2014 “A Study on MTHFR C677T gene polymorphism and alcohol dependence among Meiteis of Manipur, India” *Journal of Biomarkers*

Walia GK, Gupta V, Aggarwal A, Asghar M, Dudbridge F, Timpson N, Singh NS, Kumar MR, Kinra S, Prabhakaran D, Reddy KS, Chandak GR, Smith GD, Ebrahim S et al. “Association of common genetic variants with lipid traits in the Indian population” *PLoS ONE*, 2014

Yolanda, F-P., Hermelinda, A-A., Perla, M., Alicia, U-E., Velia, M., Josefina, G-M., Kshatriya, G.K. and Ricardo, M. 2014 “Homogeneity of maternal perception of her child’s weight in northeastern Mexico” *Anthropologist*, 17: 991-1001

Zhimo, Avitoli. G. 2015 “Indigenizing Christianity: Politics of conversion among the Sumi Naga” *Social Change* 45(1): 67-80

Conferences Organized

One day seminar on “Reflexivity and practical experiences: doing Anthropological Fieldwork” held on 17th April 2015.

One day UNICEF-DU collaborative “Brainstorming session on Tribal Malnutrition” workshop held on 17th May 2014.

One day seminar on “Experiences with Anthropology” held on 16th August 2014.

One day seminar on “Cleanliness-An Anthropological Perspective” held on 16th January 2015.

Two day National Seminar on “Anthropological Perspectives on Environment, Development, Public Policy and Health” held on 27-28 February, 2015.

One day seminar on Science day held on 2nd March, 2015.

Number of Ph.D/ M.Phil Degrees Awarded

Ph.D. : 15

M.Phil. : 13

Faculty Strength: Permanent - 25

Number of National Journals Subscribed – Through Central Science Library

Number of International Journals Subscribed – Through Central Science Library

Any Other Significant Information – The Department is starting M.Sc. programme in Forensic Science from the academic year 2015 onwards.

BOTANY

Activities and Achievements

Faculty members in the Department are working on various topics of plant sciences. Some of their major related areas are summarized here:

Physiology & Biochemistry- Nitrosative and Abiotic (cold) stress signal transduction components following a proteomics approach have been done. Salt stress physiology in Sunflower; Advanced Molecular cloning of Isochorismate synthase gene of shikimic acid pathway was done to obtain enhanced levels of anthraquinones (Sennoside A and B). Cold modulated proteome of seabuckthorn, the Himalayan gold bush is deciphered to understand cold stress signaling. Three antifreeze proteins are purified from this freezing tolerant bush for utilizing these for biotechnological applications.

Molecular Biology- Working on the understanding molecular basis of abiotic stress tolerance in crop plants. Two putative candidate genes have been characterized using *in situ* localization studies. Receptor like kinase gene isolated from *Cenchrus ciliaris* showed overexpression in apomictic ovaries. Differential expression pattern of another gene Kinase interacting protein 1 was observed across different developmental stages of ovule development in both apomictic and sexual ovaries. Role of miRNAs regulatory network in controlling expression of genes in abiotic and biotic stresses development of vegetative and reproductive organs.

Diversity, Systematic, Evolutionary Biology & Ecology- Taxonomic revision and molecular phylogeny of the legume genera *Crotalaria*, *Indigofera* is done. A new species of *Indigofera*, *I. himachalensis* has been discovered. A detailed checklist of Indian cucurbits has been made and their molecular phylogeny based on morphological and molecular markers has been investigated. Evolutionary studies on Rhododendrons, *Dioscorea* and *Impatiens* have been investigated. Conservation strategies of some of the critically endangered plants (*Pittosporum eriocarpum*, *Malaxis acuminata*, *Lilium polyphyllum*, *Skimmia laureola*, *Ephedra gerardiana*) are in progress. Plant and soil samples were studied for arbuscular mycorrhizal colonization and spore populations. Detailed studies on developmental biology of endemic and endangered taxon *Polypleurumstylosum* var

laciniata have been made. Reproductive biology, causes of threats has been assessed for *Pteridium aquilinum*, *Cheilanthes farinosa*, *Cheilanthes tenuifolia* and *Osmunda claytonia*. The knowledge about the ecological preferences and several associations (biotic and abiotic) of the threatened taxa has helped in the niche modeling and in identifying the suitable habitats for these taxa. Adaptive evolution of thermophiles is also one of the mandates under the thrust areas identified. DNA barcoding for the identification and detection of medicinal plants of high trade (>50 m tons per annum) and checking the authenticity of the market samples using the developed DNA barcodes are being taken at megascale. Besides, DNA barcodes are also being used as additional molecular evidence for taxonomic circumscription of Indian species of *Withania* and *Hippophe*.

Biotechnology- Molecular marker assisted selection of male and female plants in *Simmondsia chinensis* have been made. Screening of Anti-cancerous activity from medicinal plants such as *Nardostachys jatamansi*, *Plumbago zeylanica* and *C. angustifolia* have been carried out against different cancer cell lines. Evaluation, extraction, elicitation and isolation of bioactive molecules such as Sennosides and Artemisinin possessing anticancerous activity have been done. Biotechnological, biochemical and molecular investigations have been carried out on commercially and medicinally important plant taxa such as *Cassia angustifolia*, *Psoralea corylifolia*, *Spilanthes calva*, *Plumbago zeylanica*, *Simmondsia chinensis*, *Piper longum*, *Linum usitatissimum* for their *ex situ* conservation, genetic fidelity, and evaluation of bioactive molecules employing *in vitro* techniques, molecular markers and analytical tools e.g., HPLC, TLC, FTIR, NMR, etc. Marker assisted selection of male and female plants in Jojoba (*Simmondsia chinensis*): To distinguish sex prior flowering in jojoba, validation of already developed sex linked STS (Sequenced Tagged Sites) markers (807, VIS11) on larger population of different genotypes of different regions was performed. Genetic diversity was also studied among male and female Jojoba genotypes employing gene targeted molecular markers; Start codon targeted (SCoT) polymorphism and CAAT box-derived polymorphism (CBDP) markers. Assessment of genetic diversity within and among male and female accessions of the dioecious *Trichosanthes dioica* Roxb. using ISSR and SCoT markers for breeding and conservation strategies is in progress.

Medicinal Biotechnology- Anti-proliferative effect of *Nardostachys jatamansi* rhizome extract on human Glioblastoma cell lines was assessed. Screening of anti-cancerous compounds plumbagin from *Plumbago zeylanica* and berberine from *Linum usitatissimum* and their elicitation employing abiotic, biotic and metabolic engineering are being carried out. Impact of different heavy metal stress on the phytotoxicity and changes in antioxidant defence system on some medicinal plants such as: *Cassia angustifolia*, *Spilanthes calva*, *Holarrhena antidysenterica* and *Lycopersicon esculentum* were investigated. Exogenous application of antioxidants (GSH, Citric acid) to the heavy metal stressed plants proved effective in controlling damage of tissues and improving the level of defence systems in terms of higher activities of SOD, CAT, APX, GPX and GR anthocyanins and carotenoids, α -tocopherol. Two anticancer compounds, Podophyllotoxin and Berberine were identified through HPLC analysis. Severe, DNA damage was observed in cell lines U-87 MG (glioblastoma-astrocytoma) and U-373 MG (glioblastoma-astrocytoma) at 60 μ g and 80 μ g concentrations of the drug as revealed by single cell electrophoresis (Comet assay) and other techniques.

Honours/ Distinctions

Prof. Veena Agrawal, Prof. K.S. Rao and Prof. S.B. Babbar elected as Fellows of the International Society of Plant Morphologists (ISPM).

Prof. Arun K. Pandey elected as President, Plant Sciences, Indian Science Congress Association and also as Secretary (OS), Indian Association for Angiosperm Taxonomy.

Prof. D. B. Sahoo appointed as Director, Institute of Bioresources and Sustainable Development, Govt. of India at Imphal, Manipur.

Research Projects

DST-PURSE Grant Phase II: PI in DST-PURSE grant on “Genetic and genomic approaches for improvement of the oilseed crop, *Carthamus tinctorius* (Safflower)” (2014 – 2017)

“A search for Molecular, Biochemical, Morphological (phenotypic) markers for different growth stages of *D. alata* tuber and their relation with the redox status” UGC, May 2015-May 2017

DBT-Centre of Excellence Grant Phase II: PI in DBT project on “Transgenic approaches for resistance to mustard aphids”, Satellite Project under ‘Centre of Excellence on Genome Mapping and Molecular Breeding of *Brassicacae*’ awarded to University of Delhi South Campus and University of Delhi, Delhi (2015 – 2020)

Inter Institutional Collaboration

“Survey of North Indian medicinal plants for their larvicidal activity against malaria and filarial vectors” National Institute of Communicable Diseases, New Delhi

“Genetic engineering for raising transgenic plants for the production of artemisinin and also for the production of insulin” International Centre for Genetic Engineering and Biotechnology

“Understanding plant-nematode interaction: Identification of plant and nematode genes involved in disease development”

“To understand the nature of diversity in Lakh insects of *Kerria* spp. in India and the nature of insect X host interaction”

“The relationship of Phytoplasma with its host plants and insect vectors”

“Genetic transformation of *Pennisetum glaucum* with antimicrobial compounds to induce downy mildew resistance”

Publications

Bhardwaj Ankur R, Joshi, Gopal, Kukreja, Bharti, Kukreja Vidhi, Arora, Priyanka, Pandey, Ritu, Shukla Rohit N, Bankar, Kiran G, Katiyar-Agarwal, Surekha, Goel, Shailendra, Jagannath, Arun, Kumar, Amar and Agarwal, Manu 2015 “Global insights into high temperature and drought stress regulated genes by RNA-Seq in the economically important oilseed crop, *Brassica juncea*” *BMC Plant Biology* 15:9; DOI: 10.1186/s12870-014-0405-1

Geeta, R. et al. 2014 “Biodiversity only makes sense in the light of evolution” *J. Biosci.* DOI 10.1007/s12038-014-9427-y.2014

Gupta, R. and Deswal, R. 2014 “Refolding of β -stranded Class I Chitinases of *Hippophae rhamnoides* enhances the antifreeze activity during cold acclimation” *PLOS One* DOI-10.1371/journal.pone.0091723

Heikrujam, M.; Sharma, K., Prasad, M. & Agrawal, V. 2015 “Review on different mechanisms of sex determination and sex-linked molecular markers in dioecious crops- A current update” *Euphytica* 201: 161-194. Springer, Netherlands

Khanduri, P., Tandon, R., Uniyal, P., Bhat, V. and Pandey, AK, 2015 “Comparative morphology and molecular systematics of Indian *Podostemaceae*” *Plant Syst and Evol* 301: 861-882 DOI 10.1007/s00606-014-1121-x

Kumar R, Bhardwaj U, Kumar P and S Mazumdar-Leighton 2015 “Midgut serine proteases and alternative host plant utilization in *Pieris brassicae* L.” *Front. Physiol.* 6:95. DOI: 10.3389/fphys.2015.00095

Lakhotia, N., Joshi, G., Bhardwaj, A.R., Katiyar-Agarwal, S., Agarwal, M., Jagannath, A., Goel, S. and Kumar, A. 2014 “Identification and characterization of miRNAome in root, stem, leaf and tuber developmental stages of potato (*Solanum tuberosum* L.) by high-throughput sequencing” *BMC Plant Biology* 14 (1): 6

Mandal S, Upadhyay S, Singh VP and Kapoor R 2015 “Enhanced production of steviol glycosides in mycorrhizal plants: A concerted effect of arbuscular mycorrhizal symbiosis on transcription of biosynthetic genes” *Plant Physiology and Biochemistry* 89: 100–106

Mukherjee, S. and Bhatla, S.C. 2014 “A novel fluorescence imaging approach to monitor salt stress-induced modulation of ouabain-sensitive ATPase activity in sunflower seedling roots” *Physiologia Plantarum* 150 (4): 540-549

Pardha Saradhi, P., Yamal, G., Peddisetty, T., Sharmila, P., Nagar, S., Singh, J., Nagarajan, R. & Rao, K.S. 2014 “Reducing strength prevailing at root surface of plants promotes reduction Ag⁺ and generation of AgO/Ag₂O nanoparticles exogenously in aqueous phase” *PLOS ONE*, 9(9): e106715, DOI:10.1371/journal.pone.0106715

Singh, D.S., Nirwan, S. and Babbar, S.B. 2015 “Micropropagation of *Anacyclus pyrethrum* and chemical profiling of the regenerated plants for pellitorine, the active principle” *Plant Cell, Tissue & Organ Culture* DOI 10.1007/s11240-015-0755-x

Yadava, S.K., Kumar, P., Panjabi-Massand, P., Gupta, V., Chandra, A., Sodhi, Y. S., Pradhan, A. K., & Pental, D. 2014 “Tetralocular ovary and high silique width in yellow sarson lines of *Brassica rapa* (subspecies *trilocularis*) are due to a mutation in Bra034340 gene, a homologue of CLAVATA3 in *Arabidopsis*” *Theoretical and Applied Genetics*, 127, 2359-236

Conferences Attended

Professor S.C. Bhatla delivered an invited lecture in Japan India Symposium at Japan Institute of Science & Technology (Nomi, Kanazawa), Japan from January 1-7, 2015

Professor Veena Agrawal presented paper- “Strong Therapeutic Potential of Indigenous Herbal Drugs in the management of different types of cancer: A Prospective area of Future research”, Conclave of Scientists on Science, Technology and Innovations Policy held at INSA, New Delhi, Nov. 27-29, 2014

Professor Veena Agrawal presented three papers and posters in the IAPB-2014 Congress held at Melbourne, Victoria (Australia) from August 10-15, 2014

Professor Veena Agrawal presented a paper- “Improvement in crop plants through anti-oxidants and genetic engineering under climate induced abiotic stress”, 102nd Indian Science Congress, Mumbai, 2015

Professor S. B. Babbar chaired a Technical session, Orchid Diversity, Assessment and Taxonomy and presented an oral presentation on “Medicinal Orchids: DNA Barcoding for Identification and Detection and In Vitro Multiplication. For Sustainable Availability” in the National Conference on “Orchids Science and Commerce: Integration of Medicinal Orchids, Sustainable Development and societal Benefits” organized by the Orchid Society of India at Shri Mata Vaishno Devi University, Katra, Jammu from February 13 to 14, 2015; and Co-chaired a session in the National Symposium on “Gene Conservation of Medicinal and Ornamental Orchids of North-eastern Region and their Sustainable Use through Community Participation” held at Orchid Research and development Centre,

Henbung, Manipur from April 4-6, 2014; also delivered an Invited Lecture on “Providing Unique Molecular Recognition Tags to Indian Orchids through DNA Barcoding” April 5, 2014

Professor S. B. Babbar delivered Key-note Address on “DNA Barcodes: Molecular Recognition Tags for Species Identification and Detection” and chaired a Plenary lecture in the National Seminar entitled “Advances in Plant Sciences” at Manipur University, Imphal, March 23-24, 2015; Delivered a talk entitled, “DNA Barcoding : A Novel Taxonomic Tool for Providing Unique Molecular IDs to Plants for Identification and Detection” on January 5, 2015 as an Invited Speaker and The University Delegate in Plant Sciences section of 102nd Indian Science Congress hosted by the University of Mumbai, Mumbai and gave a Lead Lecture in 9th Uttarakhand State Science and Technology Congress held at Vigyan Dham Dehradun from February 26-28, 2015 as Lead Speaker in Botany Section and as an Expert in Environment Science and Forestry section.

Prof. K.S. Rao participated in the First Global Soil Biodiversity Conference, 2-5 December 2014, Dijon, France.

Dr A Jagannath attended 2nd International Hemipteran-Plant Interactions Symposium, June 22-25, 2014, University of California, Riverside, CA, USA.

Number of Ph.D./ M. Phil. Degrees Awarded

M.Phil. : 11
Ph.D. : 20

Faculty Strength- 25

Other Significant Information

Organized “Hands on Training on Photosynthesis, Measurements and Interpretation” in the Department in February, 2015

Participated in “Antardhwani-2015” in University of Delhi.

Organized UGC Refresher Course in the Department in December, 2014.

Organized Professor Panchanan Maheshwari Memorial Lecture on November 12, 2014.

Organized Professor B.M. Johri Rolling Sciold Paper Presentation Contest on September 24, 2014.

Book Published

Rao, K.S., Saxena, K.G. & Tiwari, B.K. 2014 “Linking Conservation of Terrestrial Biodiversity with Climate Change Mitigation and Adaptation and Socio-economic Development in the Himalaya” Policy Discussion Paper, UNESCO, New Delhi. 52pp

CHEMISTRY

Activities and Achievements

The Department offers M.Sc. and Ph.D. courses and imparts quality education to students across the country. In 2008, M.Tech.courses on “Chemical Synthesis and Process Technologies” and “Nanoscience and Nanotechnology” were started. Research work in diverse area of topics in chemistry such as materials chemistry including nano materials and nanotechnology, bioinorganic chemistry, organometallic and main group chemistry, supramolecular chemistry, bioorganic

chemistry, natural products, carbohydrate related chemistry, green chemistry, catalysis, and medicinal chemistry, and theoretical studies including computational chemistry, both the experimental and theoretical aspects of electrochemical studies, molecular dynamics, protein and peptide chemistry, and chemical thermodynamics are being carried out. Research grants from various national and international funding agencies have been obtained by the faculty to carry out the research work. Department of Science and Technology, one of the India's primary funding agencies has identified our department as one of the leading research departments in the country and subsequently released a grant of Rs 1.5 Crores as recognition for the extensive contributions in research.

Honours/Distinctions

Prof. Rama Kant: Elected Fellow of the Indian Academy of Sciences-2015 and awarded CRSI Bronze Medal (2015)

Dr A Sakthivel: Sistla Kameswari Young Scientist Award – 2015 awarded by Catalyst Society of India (CSI).

Research Projects

Total- 92

Details:

Name of the Investigator	Title of the Project and Duration	Amount Sanctioned (Rs.)	Funding Agency
Prof. Gurmeet Singh	“Phosphonium Compounds as Corrosion inhibitors,” Sanctioned vide letter no. 33-265/2007(SR) dated 28 th March 2010	9,02,060.00	UGC
	“Triphenyl phosphonium derivatives as potential corrosion inhibitors for mild steel and other alloys” vide letter no. SR/Si/PC-15/2011 dated 26 th April 2012	48,00,000.00	DST
Prof. Pavan Mathur	“Manganese coordination compounds as – mimics of some Manganese Containing Enzymes”	----	DRDO
	“Iron complexes as spectral and functional mimics of some Iron containing Enzymes”	----	CSIR
Prof. A.K. Bakhshi	“Development of e-Learning Material” of the National Mission on Education through Information and Communication Technology (ICT) (NMEICT)”	1,00,00,000.00	Ministry of the Human Rights
Prof. S.M.S.Chauhan	“Chemical studies of fullerene-porphyrin, fullerene-phthalocyanines and related compounds”	7,00,000.00	DU DST-Purse Grant
	“Biomimetic studies of porphyrinogen and their non-covalent interaction in the biosynthesis of heme and related life pigments”	29,95,188.00	DST
	“Synthesis of functional calix[4]pyrrole and related compounds and other	----	DST

	applications in anion binding, self-assembly and catalysis”		
	“Synthesis of covalently linked multiporphyrinic arrays as models for light harvesting systems and development of other newer materials”, 2005-2008	9,97,487.00	CSIR
Prof. Monika Datta	“Feasibility study of polymer organosilicate nanocomposite for oral Drug delivery system related to colon diseases (2008-10)”	26,70,000.00	DST
	“Synthesis and characterization of some natural materials coated on naturally occurring matrix and their application in environment pollution control (2012-17)”	26,02,000.00	UGC
	“Nanoclay Composite as Oral Sustained Release Drug Delivery System: Challenges and Prospective (2012-15)”	9,45,000.00	UGC
Prof. Rita Kakkar	“Destructive decomposition of chemical warfare agents by nanocrystalline metal oxides: Theoretical and experimental studies” (01-06-2012 – 31-05-2015)	19,92,000.00	CSIR
Prof. M. Kidwai	“Environmentally benign water based synthesis of bioactive compounds”	...	CSIR
Prof. R. K. Sharma	“DenDrimer-Lipid Complexation: Host-Guest Interactions”	15,10,560.00	TERI
Prof. A. K. Prasad	“Enzyme-mediated transformations of potential applications in environment and pharmaceutical sectors”	97,00,000.00	DST
	“Development of Natural Products/Natural Product-based Cardiovascular agents”	26,40,000.00	NMPB
	“Indo Italian Significant Bilateral Project entitled “Development of Novel Antioxidant Drugs”	16,18,000.00	DST
	“Synthesis and Study of Fire Extinguishing Capability of Some Fluorophosphonodiester and Fluorophosphotriesters”	1,19,54,800.00	DRDO
	“Development of aminocoumarins as candidate Drugs for the treatment of multi-Drug resistant (MDR) tuberculosis (TB-RFA)”	22,99,000.00	DBT
Prof. Shrikant Kukreti	“DNA-Protein Interactions: Exploring the Sequence and Structure Specificity”	9,50,000.00	DU-DST Purse Grant
Prof. Rama Kant	“3D simulation of local electrochemical impedance spectroscopy and reconstruction of surface morphology from SEM micrographs, 2013-2016	34,00,000.00	SERB

	DU-DST, 2009-12	10,00,000.00	DU-DST
Prof. D. S. Rawat	“Synthesis of Substituted tetraoxanes and tetraoxane aminoquinoline/amine conjugates as potential antimalarial agents” (2009-2012)	37,68,000.00	DST (No. SR/S1/O C-08/2008)
	“Design and Syntheses of Novel 4-Aminoquinoline-triazine/triazole and 4-Aminoquinoline-Curcumin Conjugates as Potential Antimalarial Agents” (2012-2015)	13,04,800.00	UGC [File no. 41-202/2012(SR)]
	“Synthesis and anti-cancer activity evaluation of C5-curcuminoids and C5-curcuminoid-hybrids” (2012-2015)	18,42,000.00	CSIR [No. 02(0049)/12/EMR-II]
	“Synthetic Nurr1 ligand as novel neuroprotective therapeutics to treat Parkinson's disease” (2014-2016)	\$ 39,600.00	M. J. Fox Foundation, USA
Prof. Sunil K Sharma	“Studies on the synthesis of acyloxy polyphenols, the substrates for calreticulin transacylase” (Dec 2009-March 2011)	37,14,200.00	DU-DST Purse Grant
	“Chemoenzymatic synthesis and development of biodegradable, structurally persistent core-shell nano-architectures for Drug delivery applications” (April 2012 - March 2015)	1,42,20800.00	Indo-German Science & Technology Centre (IGSTC)
	“Design and Synthesis of Lead Antimicrobial Compounds for Defence Applications” (June 2011- March 2015)	46,00,000 .00	DRDO
	“Design and Synthesis of 3-(4-Oxo-4H-chromen-3-yl)acrylates as Anti-inflammatory Agents” (Jan.2012-Jan. 2015)	15,00,000.00	CSIR
Prof. S. K. Awasthi	“Inhibition of Gene expression in HIV-1 using peptides and amino acids analogs” (12.08.11.08.2010)	23, 82,000.00	DST
Prof. Rajeev Gupta	“Coordination Complexes as the Building Blocks: Supramolecular Organization and Catalysis” (April 1, 2012 – March 31, 2015)	49,62,000.00	DST Reference : SR/S1/IC-43/2011
	“Studies on Coordination Complexes of Macrocyclic Ligands and their Open-Chain Analogues: Coordination and Bioinorganic Chemistry Perspectives” (February 24, 2012 – February 23 2015)	23,92,000.00	CSIR Reference : 01(2515)/11/EMR-II

	“Development of Coordination Complexes as Building Blocks to Generate Novel Heterometallic Complexes” (September 2008 – August 2011)	37,07,000.00	DST Reference : SR/S1/IC – 04/2008
Prof. Natesan Thirupathi	“Lewis Base Supported Zinc (II) Carboxylate Complexes and their Thermal Behavior” [01/ (2076)/06/EMR-II] 2006-09	13,00,000.00	CSIR
Prof. Subho Mozumdar	“Development of recyclable nano-catalysts for the synthesis of bioactive compounds”	20,75,000.00	DST
	“Development of controlled-release nanoparticle formulations for pesticides and insecticides”	40,00,000.00	DBT
Prof. Parbati Biswas	“Statistical Theory of Optimized Potential for Folding Proteins”	19,64,784.00	DST
	“Role of non-local Interactions on the Fold-misfold Transition of Proteins”	50,62,600.00	DST
Prof. R. Nagarajan	“Synthesis andMethod” (2007-10)	24,00,000.00	DST
Prof. S. Uma	“Systematic synthetic exploration based on cation and anion variations for the identification and characterization of new solid state materials”	74,45,000.00	DST
Prof. M. Thirumal	“Dielectric resonators: why the reproducibility is always an issue in complex perovskites? –ways to fix” 2012- 2015	38,45,000.00	DST
Dr Basudeb Saha	“Preparation, Characterization and Application of Metal/Metal oxide Nanoparticle Materials for Industrial Catalysis”	7,80,000.00	UGC
Prof. A. K. Verma	“Transition-Metal-Catalyzed Double C-H Activation: Synthesis of Novel Heterocyclic Scaffolds from Unactivated Arenes” (2014-2017)	44,40,000.00	SERB, DST
	“Synthesis of Diversely Substituted Indoles by The Electrophilic Cyclization and Cu/Pd-catalyzed Coupling Reactions: Potential Anticancer Small Molecules” (2012-2014)	29,80,000.00	DST
	“Design of Novel Diversity Oriented Synthetic Strategy (DOS) for the Regioselective Tandem Synthesis of Fused N-, O- and S-heterocycles (natural products like and π -conjugated) by the Electrophilic Cyclization of Alkynes” (2011-2014)	44,30,000.00	DST

Prof. Vibha Tandon	“Development of Bisbenzimidazole as E. coli. Topoisomerase inhibitor: h” (2012 – 15)	23,00,000.00	CSIR
	“Design Synthesis and Evaluation of 1,2 –dihydroisoquinolines as HIV Integrase Inhibitors” (2011 – 13)	----	DST, India. & South Africa jointly.
	“Validation and Testing of DNA binding ligands as Radiomodulator in Human Cells”	----	----
	“Design & Synthesis of a Library of Heterocyclic Compounds and Their Biological Evaluation as Antibacterial Agents with Special References to Topoisomerase Inhibition”	12,00,000.00	UGC
	“Design, synthesis and biological evaluation of novel indole and 2,3-dihydro-1H-indene derivatives in the search of potent HIV-1 Integrase inhibitors(HIV-1INI's)” (2014 -2017)	53,00,000.00	DST
Dr Indrajit Roy	“Calcium phosphate nanoparticles co-encapsulating neurotherapeutic gene and Drug for targeted therapy of neurodegenerative diseases” (24/06/2011 to 23/12/2014)	24,28,000.00	DBT
Dr Rakesh Kumar	“Development of dye doped gadolinium oxide nanoparticles for bioimaging” (03 years)	15,00,000.00	CSIR
	“Hollow silica nanoparticles entrapping enzymes for possible enzyme therapeutics and sensor applications” (03 years Completed)	12,00,000.00	UGC
Dr P. Venkatesu	“High molecular weight polymer behavior in coexisting liquid phases (Completed)	36,00,000.00	DST
	“Protein folding/unfolding by the addition of co-solvents” (Completed)	21,00,000.00	CSIR
	“Effect of polymer chain in the critical region of coexisting liquid phases” (Completed)	10,00,000.00	UGC
	“Thermal stability of proteins in the presence of biocompatible ionic liquids” (3 Years) (Ongoing)	15,00,000.00	CSIR
	“Influence of co-solvents on thermoresponsive polymer in aqueous media” (3 Years) (Ongoing)	36,00,000.00	DST
	“Fundamental understanding of activity and stability of proteins in nontoxic ionic liquids” (3 Years) (Ongoing)	40,00,000.00	DBT
Dr Dhanraj T Masram	“Novel polymers with hole transporting properties: pendant triphenylamine	22,80,000.00	SERB-DST

	groups containing polyurethane-based tri-block copolymers through atom transfer radical polymerization” (2012– 2015)		
Dr B. K. Singh	“Microwave assisted synthesis of proteomimetics for the inhibition of the interaction of HIV integrase and cellular confactor ledfg/p75” (2012-2015)	26,52,400.00	DST
	“Design and synthesis of novel functionalized chalcones as inhibitors of hemoglobin-degrading malarial cysteine proteases, falcipain 2/3”	10,00,000.00	DST
	“Indo-Belgian Research and Technology Cooperation 2012 topping-up grant”	30,00,000.00	DST
Dr Raj K. Sharma	“Synthesis and Characterization of Conducting Polymer based Nano-composite Hybrid Electrodes; Development of the Supercapacitor Device through Modeling the Novel Structures” No.: SR/S1/PC-31/2010 (2011-2014)	53,00,000.00	DST
	Synthesis and application....Supercapacitor Device” F.No 01(2403)/10/EMR-II	14,00,000.00	CSIR
	Metaldevice” F.No 39-767/2010 (SR)	15,00,000.00	UGC
Dr Surendra Singh	“Synthesis and Development of Reusable Organo Catalyst for the Asymmetric Organic Transformations and its Application in Synthesis of Enantiopure δ -lactones and Esters as Antifungal Agent” (2013-2016)	27,00,000.00	DST-SERB
	“Synthesis and Development of Chiral Salalen Transition Metal Complexes and Their Application in Asymmetric Catalysis” (2014-2017)	21,00,000.00	CSIR
	“Synthesis and development of azomethine compounds” (2012-2014)	20,50,000.00	Reliance Industry Limited, VMD, Vadodara
Dr R. K. Hazra	“Novel Approaches to Multicarrier Phenomena of Quantum Dots”	28,32,800.00	DST-SERB
Dr Sasanka Deka	“Studies on the optical and magnetic properties of semiconductor-magnetic oxide hybrid nanocrystals”	16,30,000.00	DAE-BRNS
	“Synthesis, characterization, porous assembly and application of novel metal-metal oxide hybrid nanocrystals”	46,70,000.00	DST-SERB
	“Synthesis, characterization and advanced multifunctional applications of novel chalcogenide semiconductor	----	CSIR

	nanocrystals”		
Dr Sandeep Kaur	“Bioinspired model Complexes ...enzymes”	35,90,000.00	DST-SERB
Dr Firasat Hussain	“Synthesis of gadolinium containing polyoxotungstate and its application for magnetic resonance imaging” (MRI) (1 Year)	5,50,000.00	DRDO
	“Polyoxophosphotungstate embedded lanthanoid nanoclusters: Synthesis, structural characterization and studies of magnetic and luminescent properties” (3 Year, ongoing)	14,00,000.00	CSIR
Dr Ramendra Pratap	“Base Induced and Palladium Catalyzed sp ² -sp ² Coupling Strategy for the Synthesis of Highly Functionalized Poly Arenes and Their Biodynamic Properties”	15,00,000.00 + 1 research Associate	CSIR
	“Synthesis and antiviral activity of phenanthridine and carbazole bearing nucleosides”	24,90,000.00	DST
	“Metal and non-metal mediated economical regioselective synthesis of highly functionalized phenanthridin-6-amine and phenanthridinone and its anti-HIV properties”	6,36,000.00	UGC
Dr A. Sakthivel	“Synthesis of novel micro-mesoporous aluminophosphate nanostructures and their application in hydrocarbon transformation”	54,60,000.00	DST
	“Heterogenisation of Homogeneous M(CO) _x L Complexes (where M = Co, Rh, Fe, W) Catalysts: A Green Environmental Processes for Various Catalytic Applications”	18,00,000.00	CSIR
	“SAPO- composite Materials. as eco-friendly catalysts for long chain molecules”	11,30,000.00	UGC

Inter Institutional Collaboration

a) National Collaboration	b) International Collaboration
Prof. D. S. Rawat	
Dr Ramandeep Singh, Translational Health Science and Technology Institute Vaccine and Infectious Disease Research Centre, Gurgaon, Haryana. Dr Anthony Addlagatta, Indian Institute of Chemical Technology, Hyderabad. Prof. AK Tyagi, University of Delhi.	Dr Shabana Khan, University of Mississippi, USA. Prof. Tanya Parish, Infectious Disease Research Institute, 1124 Columbia Street, Suite 400, Seattle, Washington, USA Prof. Binge Wang, Georgia State University, Athens, USA. Prof. Kwang-Soo Kim, Molecular Neurobiology Laboratory MRC216, McLean Hospital/Harvard Medical School, Boston, USA. Prof. SV Malhotra, Laboratory of Synthetic

	Chemistry, SAIC, Frederick Inc, National Cancer Institute at Frederick, MD, USA. Professor Peter J Smith, Division of Pharmacology, University of Cape Town, South Africa. Professor Lube Wiesner, Division of Pharmacology, University of Cape Town, South Africa.
Prof. Sunil K. Sharma	
Dr Hemant Kumar, IGIB (CSIR), Delhi. Dr V. Rohil, VB Patel Chest Institute, Delhi.	Professor Rainer Haag, Freie University Berlin, Germany. Professor Erik V Van der Eycken, Katholieke Universiteit Leuven, Belgium. Professor K. Parang, Chapman University, Orange, USA. Professor Jayant Kumar, Univ. Mass. Lowell, USA. Professor AC Watterson, Univ. Mass. Lowell, USA.
Dr S. Mozumdar	
Professor D.K. Majumdar Delhi Institute of Pharmacy Education and Research	Professor Leaf Huang, University of North Carolina, USA. Professor Kam Leong's group, Johns Hopkins University, USA.
Dr Sasanka Deka	
DBT project BT/466/NE/TBP/2013, Handique college-Guwahati, Gauhati University & University of Delhi. Rs 114.68 lakhs	DST-DAAD Indo-German project INT/FRG/DAAD/P-242/2014 with Leibniz University of Hannover, 30167 Hannover, Germany. Rs. 5.24 lakhs

Publications- 821

Conferences Organized/ Attended

20th ISCB International Conference on "Chemistry and Medicinal Plants in Translational Medicine for Healthcare" (Iscbc-2014) 1st - 4th March, 2014.

One Day Seminar organized by the Department on 8th January 2015.

3rd Prof. Amarnath Maitra Memorial Seminar" on Saturday, Feb. 14th, 2015.

Number of Ph.D./ M.Phil Degrees Awarded

Ph.D. : 48

Faculty Strength: Permanent- 43; Ad-hoc Faculty- 8

Dr. B R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH

Activities and Achievements

Dr. B. R. Ambedkar Centre for Biomedical Research continued excelling in the year 201-2015. In keeping with its tradition majority of the M.Sc. batch of students, passed out in 2014, cleared UGC-

CSIR, NET examination and joined various well reputed Institutions of the county for their Ph.D. including IGIB, NII, ICGB and the like.

ACBR also conducted the Summer Undergraduate Research Training programme wherein 21 students were admitted to carryout research in various laboratories of ACBR. Several Science Academy Summer Fellowship students also carried out research projects at ACBR. An educational trip for students of ACBR was organized from 7th October to 9th October 2014. Students visited the Indian Institute of Science Education and Research (IISER) Mohali and Institute of Microbial Technology (IMTECH) Chandigarh.

Research Projects

Title	Principal Investigator	Sponsoring Organization
“Regulation of Voltage Gated Calcium Channel Expression and Function During <i>Mycobacterium tuberculosis</i> Infection”	Prof. K. Natarajan	DBT
“Deciphering Macrophage Functions During Human Immunodeficiency Virus (HIV) and <i>Mycobacterium tuberculosis</i> Co-infection”	Prof. K. Natarajan	DBT
“Deciphering the role of Neddylation in Dendritic cell activation during <i>Mycobacterium tuberculosis</i> infection by RNA Interference”	Prof. K. Natarajan	DBT
“Understanding the dual function of chromatin remodeling protein INO80 in <i>Drosophila</i> development”	Prof. Vani Brahmachari	DBT
“Study genetic variant in cancer disease progression”	Dr. Ajay Yadav	DBT
“Effect of Macromolecular and osmotic crowders on protein structure and folding”	Dr. Laishram Rajendrakumar Singh	DST
“Mechanism of Allosteric regulation of a unique bifunctional anti-oxidant enzyme, peroxiredoxin 6 on post translational modifications”	Dr. Laishram Rajendrakumar Singh	DBT
“Dissecting the novel dual function of a chromatin remodeling protein human INO80 to understand its context dependent function”	Prof. Vani Brahmachari	DU-DST-PURSE Grant
“Regulation of Programmed Death Ligand 1 (PDL1) expression in dendritic cells and macrophages by antigens of infectious pathogens”	Prof. K. Natarajan	University of Delhi
“Toll-like receptor mediated molecular mechanisms and pathogenesis of <i>Trichomonas vaginalis</i> ”	Dr. Manisha Yadav	SERB, DST, New Delhi (2012-15)
“Role of NLRP3 inflammasome in response to Uropathogenic <i>Escherichia coli</i> infection”	Dr. Manisha Yadav	University of Delhi
“Comparative analysis of genomes of clinical isolates of <i>M. tuberculosis</i> for genetic plasticity”	Prof. Vani Brahmachari	CSIR-OSDD
“Epigenetic regulation of hexokinase II gene in radioresistant cells”	Prof. Vani Brahmachari	INMAS Task Force project
“Genome-wide mapping of interaction sites	Prof. Vani Brahmachari	CSIR

of hINO80.....on the human genome and analysis of its effect on target gene regulation”		
“Epigenetics in Health and Disease (EpiHeD): Work package: Molecular basis of genomic imprinting in mealybugs”	Prof. Vani Brahmachari	CSIR
“Understanding the differential structure-function relationship of three paired amphipathic helices (PAH domains) of human Sin3B Protein and their role in differential interaction with transcription factors”	Prof. Daman Saluja	CSIR
“Synthesis and invitro and invivo screening of Isoxazole derivative as novel A2AR Antagonists in the therapy of parhin son’s disease”	Prof. Pratibha Mehta Luthra	CSIR
“Understanding the differential structure function relationship of the three paired amphipathic helices (PAH domains) of humans Sin3B protein and their role in differential interaction with transcription factors”	Dr. Laishram Rajendrakumar Singh	CSIR
“Effect of multiple osmolytes on protein stability, structure and function : An insight to additivity, synergism or antagonism of osmolytes mixtures”	Dr. Laishram Rajendrakumar Singh	CSIR
“Synthesis of diallyldisulfide analogs & their potential use for the treatment of Alzheimer’s disease”	Dr. Manisha Tiwari	UGC
“An evaluation of anti-cancer activity of dually disulfide analogs, an active principle of garlic”	Dr. Manisha Tiwari	UGC
“Development and clinical evaluation of PCR based method for detection of <i>Trichomonas vaginalis</i> and further standardization of Tripled PCR for simultaneous detection of <i>Trichomonas vaginalis</i> , <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> ”	Prof. Daman Saluja	ICMR
“Investigation of regulatory role of cholinergic system on apoptosis and inflammation in murine model of global cerebral ischemia”	Dr. Anju Katyal	ICMR
“Evaluation of the protective role of <i>Hypericum perforatum</i> in chronic hypobaric hypoxia induced neuronal degeneration and memory dysfunction”	Dr. Anju Katyal	ICMR
“Anticonvulsant activity of some novel aryl piperazines”	Dr. Manisha Tiwari	Rajiv Gandhi National Fellowship
“Protective effects of novel aryl piperazines in a rat model of Alzheimer’s disease”	Dr. Manisha Tiwari	Rajiv Gandhi National Fellowship
----	Prof. K. Natarajan	DU R& D

		Grant
----	Prof. Vani Brahmachari	DU R& D Grant
----	Prof. Daman Saluja	DU R& D Grant
----	Dr. Pratibha Mehta Luthra	DU R& D Grant
----	Dr. Madhu Chopra	DU R& D Grant
----	Dr. Anju Katyal	DU R& D Grant
----	Dr. Manisha Tiwari	DU R& D Grant
----	Dr. Ajay K. Yadav	DU R& D Grant
----	Dr. Laishram Rajendrakumar Singh	DU R& D Grant
----	Dr. Manisha Yadav	DU R& D Grant

Publications

Mohit Vashshistha, Naeem Khan, Subhash Mehto, Devinder Sehgal, K. Natarajan 2015 “Pneumococcal Surface Protein A (PspA) Regulates Programmed Death Ligand 1 Expression on Dendritic Cells in a Toll-Like Receptor 2 and Calcium Dependent Manner” PLoS One (in press)

Cecil Antony, Krishnamurthy Natarajan, Subhash Mehto, Brijendra K. Tiwari, Yogendra Singh 2015 “Regulation of L-type Voltage Gated Calcium Channel CACNA1S in Macrophages upon Mycobacterium tuberculosis Infection”

Subhash Mehto, K Tiwari, Mohit Vashishta, Krishnamurthy Natarajan, Cecil Antony, Yogendra Singh, Nabab Khan, Rahul Arya, Shahid Jameel, Arti Selvakumar, Brijendra 2015 “Mycobacterium tuberculosis and Human Immunodeficiency Virus Type 1 Cooperatively Modulate Macrophage Apoptosis via Toll like Receptor 2 and Calcium Homeostasis”

Attinder Chadha, Shashank S. Kamble, Krishnamurthy Natarajan, Subhash Mehto , Sonam Popli, Arti Selvakumar, Rajagopal Raman, Mohit Vashishta, Yogendra Singh 2015 “Suppressive role of neddylation in dendritic cells during Mycobacterium tuberculosis infection”

Chandolia A, Rathor N, Sharma M, Saini NK, Sinha R, Malhotra P, Brahmachari V, Bose M 2014 “Functional analysis of mce4A gene of Mycobacterium tuberculosis H37Rv using antisense approach” Microbiol Res., 169(2014): 780-787

Sharma, P., Garg, G., Kumar, A., Mohammad, F., Kumar, S.R., Tanwar, V.S., Sati, S., Sharma, A., Karthikeyan, G., Brahmachari V., Sengupta, S. 2014 “Genome wide DNA Methylation profiling for Epigenetic alteration in Coronary Artery Disease patients” Gene 10; 541(1): 31-40

Golechha M, Sarangal V, Bhatia J, Chaudhry U, Saluja D, Arya DS 2014 “Naringin ameliorates pentylene tetrazol-induced seizures and associated oxidative stress, inflammation, and cognitive impairment in rats: Possible mechanisms of neuroprotection” Epilepsy Behav. Oct 14; 41C: 98-102 DOI: 10.1016/j.yebeh.2014.09.058

Faiq MA, Ali M, Dada T, Dada R, Saluja D. 2014 “A novel methodology for enhanced and consistent heterologous expression of unmodified human cytochrome P450 1B1 (CYP1B1)” PLoS One. Oct 16; 9(10):e110473. DOI: 10.1371/journal.pone.0110473. eCollection 2014

- Chandra S, Narang R, Sreenivas V, Bhatia J, Saluja D, Srivastava K. 2014 "Association of angiotensin II type I receptor (A1166C) gene polymorphism and its increased expression in essential hypertension: a case-control study" PLoS One Jul 3; 9(7):e101502. DOI: 10.1371/journal.pone.0101502. eCollection 2014
- Chandra S, Narang R, Saluja D, Bhatia J, Srivastava K.. 2014 "Expression of angiotensin-converting enzyme gene in whole blood in patients with essential hypertension" Biomarkers Jun; 19(4):314-8. DOI: 10.3109/1354750X.2014.910550. Epub 2014 May 9
- Nimesh M, Joon D, Varma-Basil M, Saluja D. 2014 "Development and clinical evaluation of sdaA loop-mediated isothermal amplification assay for detection of Mycobacterium tuberculosis with an approach to prevent carryover contamination" J Clin Microbiol. Jul; 52(7):2662-4. DOI: 10.1128/JCM.00907-14. Epub 2014 Apr 30
- Faiq MA, Dada R, Saluja D, Dada T. 2014 "Glaucoma--diabetes of the brain: a radical hypothesis about its nature and pathogenesis" Med Hypotheses. May; 82(5): 535-46 DOI: 10.1016/j.mehy.2014.02.005
- Selvakumar A., Antony, C., Singhal, J., Tiwari, B. K., Singh, Y., Natarajan, K. 2014 "Reciprocal regulation of reactive oxygen species and phosphor-CREB regulates voltage gated calcium channel expression during Mycobacterium tuberculosis infection" PLoS One9(5), 96427
- Kumari, N., Mishra, C. B., Prakash, A., Kumar, N., Mongre, R.K. & Luthra, P.M. 2014 "8-(furan-2-yl)-3-phenethylthiazolo[5,4-e][1,2,4]triazolo[1,5-c]pyrimidine-2(3H)-thione as Novel, Selective and Potent Adenosine A_{2A} Receptor antagonist" Neuroscience Letters, 558 (13) 203-207
- Kidwai, M., Jain, A., Nemeys, V., Luthra, P.M. 2014 "An Investigatory Study of functionalized spirooxindoles" Indian Journal of Chemistry, 53 (B), 399-411
- Kidwai, M., Poddar, R., Kumar, R., Luthra, P.M. 2015 "Synthesis and SARs of Coumarin Fused 1,5-benzothiazepines as Novel Anticancer and Antioxidant Agents" Mini-Reviews in Organic Chemistry, 12, 000-000
- Kumari, R., Kumar J. B. S., Luthra, P. M. 2015 "Post-lesion administration of 7-NI attenuated motor and non-motor deficits in 6-OHDA induced bilaterally lesioned female rat model of Parkinson's disease" Neuroscience Letters (NSL 30998) accepted (Editorial reference: NSL_NSL-14-1254)
- Behl, G., Sikka, M., Chhikara, A., Chopra, M. 2014 "PEG-coumarin based biocompatible self-assembled fluorescent nanoaggregates synthesized via click reactions and studies of aggregation behaviour" Journal of Colloid and Interface Science, 416, 151 - 160
- Sharma, G., Kapoor, H., Chopra, M., Kumar, K., Agrawal, V. 2014 "Strong larvicidal potential of Artemisia annua leaf extract against malaria (*Anopheles stephensi* Liston) and dengue (*Aedes aegypti* L.) vectors and bioassay-driven isolation of the marker compounds" Parasitology Research, 113, 197 – 209
- Meenakshi Chaswal, Shobha Das, Jagdish Prasad, Anju Katyal, Mohammad Fahim 2014 "Chemical sympathectomy restores baroreceptor-heart rate reflex and heartrate variability in rats with chronic nitric oxide deficiency" Physiological Research (in press).
- Dixit N., Vaibhav K., Pandey RS., Jain UK.,Katare OP.,Katyal A., Madan J. 2014 "Improved cisplatin delivery in cervical cancer cells by utilizing folate-grafted non-aggregated gelatin nanoparticles" Biomedicine & Pharmacotherapy, 69. DOI:10.1016/j.biopha.2014.10.016
- Ray, R.S., Rai, S., Katyal, A. 2014 "Cholinergic receptor blockade by scopolamine and mecamlamine exacerbates global cerebral ischemia induced memory dysfunction in C57BL/6J mice" Nitric Oxide - Biology and Chemistry, 43, 62-73

- Malairaman, U., Dandapani, K., Katyal, A. 2014 “Effect of Ca₂EDTA on zinc mediated inflammation and neuronal apoptosis in hippocampus of an in vivo mouse model of hypobaric hypoxia” PLoS ONE, 9(10)
- Chander, K., Vaibhav, K., Ejaz Ahmed, M., Javed, H., Tabassum, R., Khan, A., Kumar, M., Katyal, A., Islam, F., Saeed Siddiqui, M. 2014 “Quercetin mitigates lead acetate-induced behavioral and histological alterations via suppression of oxidative stress, Hsp-70, Bak and upregulation of Bcl-2” Food and Chemical Toxicology, 68, 297-306
- Madan, J., Gundala, S.R., Kasetti, Y., Bharatam, P.V., Aneja, R., Katyal, A., Jain, U.K. 2014 “Enhanced noscapine delivery using estrogen-receptor-targeted nanoparticles for breast cancer therapy” Anti-Cancer Drugs, 25(6), 704-716
- Gulia, M., Rai, S., Jain, U.K., Katare, O.P., Katyal, A., Madan, J. 2014 “Sustained-release protamine sulphate-impregnated microspheres may reduce the frequent administration of recombinant interferon β ±-2b in ovarian cancer: In-vitro characterization” Anti-Cancer Drugs, 25(1), 63-71
- Malla, N., Goyal, K., Dhanda, R.S., & Yadav, M. 2014 “Immunity in Urogenital protozoa” Parasite Immunology, 36 (9), 400-8
- Roberto Ferrarese., Griffith R. Harsh IV., Ajay K. Yadav., & Eva Bug et al. 2014 “Lineage-specific splicing of a brain-enriched alternative exon promotes glioblastoma progression” Journal of Clinical Investigation, May 27. pii: 68836 DOI: 10.1172/JCI68836
- Ajay K. Yadav, Vidhi Vashishtha., Nidhi Joshi. & Pankaj Taneja 2014 “AR-A 014418 Used against Gsk3beta down Regulates Expression of hnRNPA1 and SF2/ASF Splicing Factors” Journal of Oncology, DOI: 10.1155/2014/695325, Epub 2014 Jan 2
- Hasan, T., Ali, M., Saluja, D., Singh, L.R., 2014 “pH might play a role in regulating the function of PAH domains by altering the structure and thermodynamic stability” Biochemistry (Moscow) (In press)
- De, S., Kumar, T., Singh, L.R., Saha, B. 2014 “Furan-based acetylating agent for the chemical modification of proteins” Bioorganic & Medicinal Chemistry (In press)
- Sharma, G.S., Kumar, T., Singh L.R., 2014 “N-homocysteinylation induces different structural and functional consequences on acidic and basic proteins” PLOS ONE (In press)
- Mittal, S., Singh, L.R., 2014 “Macromolecular crowding decelerates aggregation of a β -rich protein, bovine carbonic anhydrase: a case study” J. Biochem. 156(5): 273-82
- Warepam, M., Sharma, G.S., Dar, T.A., Khan K. A. K., Singh, L.R., 2014 “Structural Characteristic of the Initial Unfolded State on Refolding Determines Catalytic Efficiency of the Folded Protein in Presence of Osmolytes” PLOS ONE, 9(10): e109408
- Chowhan, R.K., Mittal, S., Dar, T.A., Kamal, M.A., Singh, L.R. 2014 Ignored avenues in alpha-synuclein associated proteopathy, CNS Neurol Disord Drug Targets , 13(7):1246-57
- Meenakshi Sharma, Manisha Tiwari and Rakesh Kumar Tiwari 2015 “Hyperhomocysteinemia: Impact on Neurodegenerative diseases” Basic and Clinical Pharmacology and Toxicology (Wiley) Accepted (In press)
- Shikha Kumari, Chandrabhushan Mishra and Manisha Tiwari 2015 “Design, Synthesis and Pharmacological evaluation of N-[4-(4-(alkyl/aryl/heteroaryl)-piperazin-1-yl)-phenyl]-carbamic acid ethyl ester derivatives as novel anticonvulsant agents” Bio-organic and Medicinal Chemistry Letters 25, 1092-1099

Poonam Meena, Apra Manral, Manisha Khatri, Vishal Nemaysh, Pratibha M. Luthra and Manisha Tiwari 2015 “Synthesis, biological evaluation and molecular docking study of novel piperidine and piperazine derivatives as multi-targeted agents to treat Alzheimer's disease” *Bioorganic and Medicinal Chemistry* 23, 1135-1148 DOI: 10.1016/j.bmc.2014.12.057

Chandra Bhushan Mishra, Shikha Kumari and Manisha Tiwari 2015 “Thiazole: A promising heterocycle for the development of potent CNS active agents (Review Article)” *European Journal of Medicinal Chemistry* 92, 1-34, 2015 available online DOI: 10.1016/j.ejmech.2014.12.031

N. Malla, K. Goyal, RS Dhanda, Manisha Yadav 2014 “Immunity in urogenital protozoa” *Parasite immunology* Sept 2014, 36 (9), 400-408

Manisha Yadav, D. Nagarjuna, RS Dhanda 2014 “*Mycobacterium bovis* Bacille-Calmette-Guerin infection modulates GRK2/3 dependent cytokine secretion” *BMC Infectious Diseases*, 14 (Suppl 3), E20

D. Nagarjuna, R.S. Dhanda, R. Gaiind, Manisha Yadav 2015 “tcpC as a prospective new virulence marker in blood *Escherichia coli* isolates from sepsis patients admitted to the intensive care unit” *New Microbes and New Infections*, 7: 28–30 DOI: 10.1016/j.nmni.2015.05.002

Conferences Organized / Attended

Invited Plenary Speaker at CME 2014, Miranda House College, University of Delhi.

Guha Research Conference Khajuraho, Madhya Pradesh, December 5th – 10th, 2014.

Keynote Speaker, Shaheed Rajguru College of Applied Sciences, University of Delhi, January 29 – 30th 2015.

Invited Speaker in conference organized by South Asian University February 13th 2015.

Invited Speaker in conference organized by Centre for Molecular Medicine, Jawaharlal Nehru University February 13th 2015.

Poster presentation at the 30th International Conference on Alzheimer's Disease International, Perth Australia 15-18 April 2015 By Ms. Apra Manral Poster entitled “ Diallyldisulfide derivatives: a Biochemical, Molecular modeling and Behavioral study against Alzheimer's disease” by Dr. Manisha Tiwari.

Oral presentation at the 30th International Conference on Alzheimer's Disease International, Perth Australia 15-18 April 2015 By Ms. Poonam Meena Presentation entitled:” Protective role of a piperazine derivative in ameliorating the Aluminium-induced oxidative stress and Neurobehavioral impairments in Wistar rats by Dr. Manisha Tiwari.

Participated and Treasurer of the 9th Annual Symposium on Frontiers in Biomedical Research Organized by ACBR from April 14-16, 2014 at ACBR by Dr. Manisha Tiwari.

Oral Presentation in 25th European Society of Clinical Microbiology & Infectious Diseases (ECCMID) held in Copenhagen, Denmark from 25-28 April 2015 by Dr. Manisha Yadav.

Poster Presentation in 38th National Conference of Indian Association for the study of Sexually Transmitted Diseases and AIDS (ASTICON 2014) held at PGIMER from 31 Oct – 2 Nov 2014 by Dr. Manisha Yadav.

Poster Presentation in 41st Annual Conference of the Indian Immunology Society (IMMUNOCON-2014) held at Madurai Kamaraj University, Madurai from 12 - 14 Dec. 2014 by Dr. Manisha Yadav.

Number of Ph.D./ M.Phil Degrees Awarded- 10

Faculty Strength: Professor- 3; Associate Professors- 2; Assistant Professors- 6; Ad hoc- 2

ENVIRONMENTAL STUDIES

Honours/Distinctions

Professor Maharaj K. Pandit was appointed Hrды Fellow, Radcliffe Institute for Advanced Study, Harvard University in the area of Life Sciences. He will join the faculty fellowship from September, 2015.

Professor Maharaj K. Pandit was elected a Fellow of National Academy of Sciences (NASI), Allahabad, India.

Professor Inderjit Singh was awarded Distinguished Ecologist Award by Ecological Society of America.

Research Schemes/other Projects

S.No.	Title /Description	Principal Investigator	Sponsoring organization
1.	See list of Projects under Centre [CISMHE].	Prof. Maharaj K. Pandit	WAPCOS, Govt. of India
2.	Diversity in bacteria at nutrient stressed site: Role of bacteriophages.	Prof. R.S. Sharma / Dr. Vandana Mishra	Department of Science and Technology, New Delhi
3.	Diversity and Distribution.....Factor.	Dr. Vandana Mishra	University Grants Commission, DU
4.	Functional and Taxonomic Diversity Among Plant Growth Promoting Rhizobacteria Fly Ash Environment”	Dr. Vandana Mishra	Department of Science and Technology, New Delhi
5.	Prevalence of Lysogeny.....Habitates	Prof. R.S. Sharma /	UGC-DU
6.	Impact of Environmental Bioaerosol Pollution on Human Health: A “case-control study” for Exacerbation of COPD in North Indian Population.	Dr. Chirashree Ghosh	Ministry of Environment & Forests (MoEF)
7.	System of air quality forecasting and research (safari) programme of IITM, Pune;	Dr. Chirashree Ghosh	Ministry of Earth Sciences, Govt. of India
8.	“Traits that matter...Indian sub-continent”	Dr. Gyan Prakash Sharma	Department of Science and Technology, New Delhi
9.	Weta in India: Acoustic Communication, Systematics and Behavioral ecology	Dr. Swati Diwakar	Department of Science and Technology, Govt. of India

Inter Institutional Collaboration

(a) Professor Maharaj K. Pandit

Title /Description	Collaborator	Institution
Diversity and Distribution of Himalayan Endemic Plants Life in Himalaya	1. Prof. Brian Enquist 2. Prof. Lian Pin Koh 3. Radcliffe Institute for Advance Study	Harvard University; University of Adelaide, Australia; University of Arizona, USA; WAPCOS Limited, Govt. of India.

(b) Prof. P. Pardha Saradhi

Title /Description	Collaborator	Institution
Investigations on photosynthesis and nanobiotechnology	Prof. Govindjee, Professor Emeritus, Prof. Reto J. Strasser	Biochemistry, Biophysics and PlantBiology, UIUC, 265 Morrill Hall, 505 South Goodwin Av, Urbana,IL61801-3707, USA Bioenergetics Laboratory, University of Geneva,1254 Jussy/Geneva, Switzerland

Publications

Bassi, N., Kumar, M.D., Sharma, A. and Pardha-Saradhi, P. (2014) Status of wetlands in India: a review of extent, ecosystem benefits, threats and management strategies. J. Hydrol.: Region. Stud. 2: 1-19.

Goyal N., Pardha-Saradhi P. and Sharma G.P. (2014) Can adaptive modulation of traits to urban environments facilitate *Ricinus communis* L. invasiveness? Environ. Monit. Assess. 186: 7941-7948.

Shabnam, N., Sharmila, P., Sharma, A., Strasser, R.J., Govindjee and Pardha-Saradhi, P. 2015. Mitochondrial electron transport protects floating leaves of long leaf pondweed (*Potamogeton nodosus* Poir) against photoinhibition: comparison with submerged leaves. Photosynth, Res. DOI 10.1007/s11120-014-0051-3.

Pardha-Saradhi, P., Yamal, G., Peddisetty, T., Sharmila, P., Nagar, S., Singh, J., Nagarajan, R. and Rao, K.S. 2014. Reducing Strength Prevailing at Root Surface of Plants Promotes Reduction of Ag⁺ and Generation of Ag⁰/Ag₂O Nanoparticles Exogenously in Aqueous Phase. PloS one 9 (9): e106715.

Shabnam, N., Pardha-Saradhi, P. and Sharmila, P. 2014. Phenolics impart Au³⁺-stress tolerance to cowpea by generating nanoparticles. PLoS ONE 9(1): e85242.

- Pardha-Saradhi, P., Yamal, G., Peddisetty, T., Sharmila, P., Singh, J., Nagarajan, R. and Rao, K.S. 2014. Plants fabricate Fe-nanocomplexes at root surface to counter and phytostabilize excess ionic Fe. *Biometals* 27: 97-114.
- Pandit, Maharaj K., Manish, K., Koh, Lian P 2014. Dancing on the Roof of the World: Ecological Transformation of the Himalayan Landscape. *Bio Science* 64:980-992.
- Pandit, Maharaj K., Steven M. White, and Michael J.O. Pocock. 2014. The contrasting effects of genome size, chromosome number and ploidy level on plant invasiveness: a global analysis. *New Phytologist* 203:697-703.
- Saxena, P. and Ghosh, C. June 2015. Seasonal Variation of Isoprene emissions from tropical road side plant species and their possible role in deteriorating air quality, *Environmental Skeptics and Critics*. 4: 67-80.
- Sharma, P. Kumar, S. Garg, A. and Ghosh, C. 2015. Analyzing the effect of atmospheric trace elements on selected plant species, *Environmental Earth Sciences*, Springer. DOI 10.1007/s12665-015-4452-1.
- Garg, A. Saxena, P. and Ghosh, C. 2015. Evaluation of Tolerance and Sensitivity of Selected Plant Species with Special Reference To Gasoline Exhaust Pollution. *International Journal of Scientific & Technology Research*, 4. 199-207.
- Goyal, N. & Sharma, GP. 2015 *Lantana Camara L. (sensu lato): an enigmatic complex*, *NeoBiota* 25. 15-26.
- Concalves, E. Herrera, I. Duarte, M. Bustamante, RO, Lampo, M. Grisel, V. Sharma, GP. Garcia-Rangel, S. 2014 Global invasion of *Lantana Camara*: has the climatic niche been conserved across continents? *PLoS ONE* 9: e111468. Doi: 10.1371/journal. Pone.0111468
- Sunny, A. Diwakar, S. & Sharma, GP. 2015. Native insects and invasive plants encounters. *Arthropod-Plant Interactions*, 1-9
- Jain, M. Diwakar, S. Bahuleyan, J., Deb, R., Balakrishnan, R. 2014. A rain forest dusk chorus: Cacophony or sounds of silence? *Evolutionary Ecology* 28: 1-2
- Mishra, V. Mishra, R. Sharma, RS. 2015. Ribosome Inactivating Protein: A potential molecule for the development of multi-stress tolerant transgenic plants. *Biotechnological Applications for Environmental Protection*, Springer (in press)
- Mishra, V. 2014. Success of bioprospecting for treatment and prevention of reproductive cancers. *Indian Society for the Study of Reproduction and Fertility (ISSRF)*, 14:23-25.
- Sharma, S. Ghosh, S. Singh, LK. Sarkar, A. Malhotra, R. Garg, OP. Singh, Y. Sharma, RS. Bhakuni, DS. Das, TK. Biswas, S. 2014. Identification of autoantibodies against transthyretin for the screening and diagnosis of rheumatoid arthritis. *Plos One*

Mishra, V. Mishra, R. Sharma, R.S. (2015). Ribosome Inactivating Protein: A potential molecule for the development of multi-stress tolerant transgenic plants. *Biotechnological Applications for Environmental Protection*, Springer (in press)

Sharma, R.S. 2014. Restoration of ecosystem health: A key to ensure long-term reproductive health among living organisms. *Indian Society for the Study of Reproduction and Fertility* 14:36-38.

Conferences Organized/Attended

Participated and delivered lecture in “Hands on training and capacity building for training workshop for photosynthesis assessment methods and data interpretation” organized by the Department of Botany, University of Delhi, Delhi from 9th February to 28th February 2015;

Resource person for the Refresher Course in Environmental Science (MD) conducted by UGC-Academic College, Sambalpur University, Sambalpur during October 10-31, 2014.

Pandit, Maharaj K. 2014. Databases and invasion research: an ecogenomic perspective. GBIF supporting research for sustainable development. In the GBIF Public Symposium, September 17th, 2014. India Habitat Centre, New Delhi, India.

International Tropical Ecology Congress-2014, Tropical ecosystems in a changing world-10-12th December, 2014, New Delhi, as a member of Organising Committee.

Member, Local organizing committee, Tropical Ecology Conference 2014, December 10-12, New Delhi

Sharma, S. Mishra, V. Ethayathullah, A.S. Karmakar, S. Sharma, R.S. 2015. Identification of multi-targeted Plant Compound for Breast Cancer Therapeutics. International Symposium on “Current Advances in Radiobiology, Stem Cells and Cancer Research” at Jawaharlal Nehru University, New Delhi, India February,

Mishra, V. Das, M.K. Sharma, R.S. 2015. Indian Mistletoe: Source of Novel Anti-cancer Ribosome Inactivating Protein. International Symposium on “Current Advances in Radiobiology, Stem Cells and Cancer Research” at Jawaharlal Nehru University, New Delhi, India February, 2015

Sharma S, Mishra, V. Ethayathullah, A.S. Karmakar, S. Sharma R.S. 2015. Identification of multi-targeted Plant Compound for Breast Cancer Therapeutics. International Symposium on “Current Advances in Radiobiology, Stem Cells and Cancer Research” at Jawaharlal Nehru University, New Delhi, India February,

Mishra, V. Das, M.K. Sharma, R.S. 2015. Indian Mistletoe: Source of Novel Anti-cancer Ribosome Inactivating Protein. International Symposium on “Current Advances in Radiobiology, Stem Cells and Cancer Research” at Jawaharlal Nehru University, New Delhi, India February, 2015

Mincer, T. J., Johnson, M. D. Flynn-Carroll, A. Sharma, R. S. Wildschutte, H., Polz, M. (2014). Indole as a Mediator of Protozoan Grazing of Bacteria: A New Role for a Multifaceted Infochemical. *Proceedings of 114th General Meeting of the American Society for Microbiology*, Boston, Massachusetts, May 17-20, 2014. N-779

Sharma, R.S. 2014. Environmental degradation and reproductive health. National Seminar on Reproductive Health Awareness, the IIS University, Jaipur during September 12-13, 2014.

Number of Ph.D. degrees awarded : 3

GEOLOGY

Honours/ Distinctions

Prof. G.V.R. Prasad became member of Research Advisory Committee and Governing body of Birbal Sahni Institute of Palaeobotany.

Prof. N.C. Pant received British Council Innovation Award in the form of CECAP-2 project (2015-2017)

Prof. P.P. Chakraborty was a member of Indian scientific team in India-UK Frontier of Science, 2014

Research Projects

Project Title	Principal Investigator	Sponsoring Agency	Amount (Rs.)
“PaleopedologicalSiwalik Succession” (DU-KU-WIHG collaboration: Project approved, but funding has been delayed)	P. Srivastava	MOES	92,00,000.00 (total cost in three institutes)
“CO ₂ sequestration studies on volcano-sedimentary succession of the eastern Deccan volcanic province”	J.P. Shrivastava	DST	57,00,000.00
“Geology, Geochemistry and Total Organic carbon evaluation for the argillaceous interval for the Proterozoic Vindhyan and Chhattisgarh Super group”	P.P. Chakraborty	DST	45,00,000.00
“GIS-based digital mapping of natural deformational structures: development of methodology and application to structurally controlled ore deposits”	A. Chattopadhyay	SERB	37,00,000.00
“Variability of Indian Monsoon since LGM-ISRO-GBP Project (A part of International Geosphere and Biosphere programme)”	D.K. Sinha	ISRO	30,00,000.00

Inter Institutional Collaboration

National organizations:

Kurukshetra University and Wadia Institute of Himalayan Geology, Dehradun

Geological Survey of India, Faridabad

Jadavpur University, Kolkata

IIT Kharagpur, IIT Kanpur, JNU, IIT Roorkee

NGRI, Hyderabad

International organizations:

University of Edinburgh, Scotland, UK

Oregon State University, Corvallis, USA

Hiroshima University, Japan

South Central University, Hunan, China

Publications- 27

J.P. Shrivastava, Robert A. Duncan, Mamta Kashyap 2015 "Post-K/PB younger 40Ar-39Ar ages of the Mandla lavas: Implications for the duration of the Deccan volcanism" *Lithos* 224-225 (2015)214-224

Prasad, G.V.R., Sharma, A., Verma, O., Khosla, A., Singh, L.R. & Priyadarshini, R.K. 2015 "Testudoid and crocoid eggshells from the Upper Cretaceous Deccan Intertrappean Beds of Central India" *CR. Palevol*, (Paris) (In press)

Mishra B.K., Dubey C.S., Shukla D.P., Bhattacharya P. and Usham A.L. 2014 "Concentration of arsenic by selected vegetables cultivated in the Yamuna flood plains (YFP) of Delhi, India" *Environmental Earth Sciences*, pp. 1-11

Chakraborty, P.P., Pant, N.C. and Paul, P. 2014 "Controls of sedimentation in Paleoproterozoic basins- A case study from the Gwalior and Bijawar basins, central India, Accepted for publication in *Spl. Publication, Geol. Soc. London Memoirs*, 43,67-83

Vimal Singh 2015 "The Indian critical zone-a case for priority studies" *Current Science*, vol. 108(6); 1045-1046

Conferences Attended/ Organized

International Conferences held abroad

Indo German Joint Scientific Workshop on water and waste water management for sustainable development, January, 2014 (Shashank Sekhar presented paper)

International Seminar on "Future Challenges in Earth Sciences for Energy and Mineral Resources" at ISM Dhanbad (N.C. Pant and A. Saikia delivered technical lectures)

International seminar on Magmatism, Tectonism and Mineralisation at Nainital (A. Saikia presented a paper)

National Conferences

Workshop on water conservation and sustainable management of groundwater in National Capital Region, 25 March, 2014, New Delhi, Central Ground Water Board (Dr. Shashank Shekhar and his students contributed papers)

Invited Talks to Scientific Institutions

Prof. A. Chattopadhyay delivered lectures on shear zones and stress-strain systems and imparted field training to GSI officers at the Zavar Training Institute of Geological Survey of India in January 2015

Prof. P.P. Chakraborty delivered an invited lecture in National Seminar on 'Making of the Indian continent' at Geology Department, Presidency University, Kolkata in November 2014

No. of Ph.D./ M.Phil. Degrees Awarded

Ph.D.-06

Number of National Journals Subscribed- Journals subscribed by the Central Science Library.

Other Significant information

The Department of Geology is a UGC Centre of Advanced Study (CAS-II stage).

PHYSICS AND ASTROPHYSICS

Activities and Achievements

The Department continued to ensure high standards in teaching and research. For the third consecutive year, it bagged a prize at Antardhvani 2015. The Department organized, for the first time, a Summer Programme for undergraduate students. This programme included pedagogical lectures, hands-on laboratory work and computer based sessions. Exposure lectures and visits to research laboratories also provided these students the glimpses and highlights of research conducted in the Department. Students gave extremely positive feedback to this initiative. The Department organized several International and National conferences during this period. A Visitor Programme was organized in which several distinguished faculties from several branches of physics gave excellent talks. Regular Colloquia by eminent speakers were well received by postgraduate and Ph.D. students. The Department is now proud to have two faculty members who are Fellows of all three National Science Academies.

Honours/ Distinctions

Fellow of the Indian National Science Academy, Delhi (Avinash Khare)

Indo USA Research Fellowship to undertake research work at Argonne National Laboratory (Dr. Suresh Kumar)

ICTS Associated Faculty, International Centre for Theoretical Sciences, Bangalore, India (Nivedita Deo)

Research Projects

Project Title	Description	Period	Sponsoring Agency	Funding Amount (Rs.)
“Synthesis and Characterization of Magnetic Nanoparticles for Tumor Treatment using Magnetic Fluid Hyperthermia” (R.P. Tandon)	----	3 Years	DRDO	38,88,000.0 0
“Study of Thermoelectric Properties of Doped and Nano Composites of Ca ₃ Co ₄ O ₉ Ceramics and Hot Pressed Bismuth Telluride (Bi ₂ Te ₃) in the Temperature Range (300-500K)” (R.P. Tandon)	----	2 Years	DRDO	85,48,000.0 0
“Demonstration of LED by Pulsed Laser Deposition (PLD) Technique” (R.P. Tandon)	----	2.5 Years	DIT	4,75,44,000. 00
“Metal Oxide Nanowire Based Nanoelectronic Devices” (R.P.Tandon)	----	3 Years	Indo-Taiwan S&T Cooperation programme	38,00,000.0 0
“e-PG Pathshala (Physics)” (R.P.Tandon)	----	2 Years	UGC	7,00,000.00 (First Instalment)
“Microstructure of Phase changememory materials” (S. Murugavel)	The proposed project work would intend to carry the microstructure and phase change property of novel chalcogenide glasses for advanced optical storage devices	2014-2017	UGC-DAE	14,76,000.0 0
“Transport and dynamics of alkali ions in solid electrolytes with disordered structure” (S. Murugavel)	The proposed project work would carry the systematic experimental work different alkali ion conducting glasses towards optimization in lithium ion batteries.	2014-2017	DST	48,85,000.0 0
“Investigations on nano structured Olivine phosphate	The present research proposal			

cathode material for advanced energy storage applications” (S. Murugavel)	aimed to synthesis and optimization of advanced cathode material for lithium ion battery and the frequency and temperature dependent	2015-2018	CSIR	56,40,000.00
“Application of Random Matrix Models to Study of Ribonucleic Acids (RNA) and Biological Networks” (Nivedita Deo)	03(1197)/11/ EMR II	----	----	----
“Utilization of Ion Accelerators for Studying and Modelling of Radiation Induced Defects in Semiconductors and Insulators” (Shyama Rath)	Research Project	2015-2016	International Atomic Energy Agency, Vienna	Euro5000/-
“Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization” (Kirti Ranjan)	Research Project	2014-2019	DST	9,99,00,000.00
“Updating and Operation of Regional WLCG Grid System” (Kirti Ranjan)	Research Project	2014-2019	DST	----

Inter Institutional Collaboration

“Metal Oxide Nanowire Based Nanoelectronic Devices” Indo-Taiwan S&T Cooperation programme, Period of Support 3 Years, Total Cost (₹) in 38 lacs. (R.P.Tandon)

Indo- US Project with Nodal Institute as Delhi University (PI H. P. Singh) and SUNY (Oswego), Texas A & M University, University of Florida at Gainesville and IUCAA (Pune) as partner Institutes. (H.P. Singh)

With Tata Institute of fundamental Research, Institute for Plasma Research, Gandhinagar. (Avinash Khare)

Collaborative work between DU and BARC. (Sevi Murugavel)

Featured in Accelerator knowledge Portal, International Atomic Energy Agency, Vienna (<http://nucleus.iaea.org/sites/accelerators/Pages/default.aspx>) (Shyama Rath)

Country-wide collaboration on Compact Muon Solenoid (CMS) experiment in High Energy physics with National (TIFR, SINP, BARC, etc.) and International (CERN, Fermilab, DESY etc.) institutions (Ashok Kumar, A. Bhardwaj, B.C. Choudhary, M. Naimuddin, K. Ranjan)

Publications- 270

Vardan Khachatryan Ashok Kumar, Arun Kumar, S. Ahuja, A. Bhardwaj, B.C. Choudhary, A. Kumar, S. Malhotra, M. Naimuddin, K. Ranjan & V. Sharma et al. 2014 “Study of vector boson scattering and search for new physics in events with two same-sign leptons and two jets CMS Collaboration” Phys. Rev. Lett. 114 (2015) 5, 051801 pp.27

R. Kabir, A. Mukherjee, D. Lohiya, 2014 “Reanalyzing the upper limit on the tensor-to-scalar perturbation ratio image in a quartic potential inflationary model” Physics Letters B, Volume 736, pp. 246-251

Vinamrita Singh, Swati Arora, Manoj Arora, Vishal Sharma, and R. P. Tandon 2014 “Optimizing P3HT/PCBM/MWCNT films for increased stability in polymer bulk heterojunction solar cells” Physics Letters A 378, 3046

R. Kumar, R. Narayanan, and Awadhesh Prasad 2014 “Hysteresis in amplitudes of self-excited oscillations for co-axial electrode geometry DC glow discharge plasma” Physics of Plasmas, 21, 123501

Deb, S., Singh, H. P., Kumar, S., Kanbur, S.M. 2015 “Morphology and metallicity of Small Magellanic Cloud using Rrab stars” Monthly Notices of Royal Astronomical Society 449, 2768

Ritika Garg in D. Tonev et. al., 2014 “Candidates for Twin Chiral Bands in ^{102}Rh ” Phys. Rev. Lett. 112, 052501

K. Avinash and P. K. Kaw 2014 “Plasma heating by electric field compression” Phys. Rev. Lett. 112, 185002

Anita Khokkar, O.P. Thakur, P. K. Goyal A. A. K. Shukla and K. Sreenivas, 2015 “Influence of La distribution on dielectric and ferroelectric properties of $\text{BaBi}_{4-x}\text{La}_x\text{Ti}_4\text{O}_{15}$ ceramics” Materials Chemistry and Physics, 152 pp. 13-25

J. Krishna Murthy, K. Devi Chandrasekhar, S. Murugavel and A. Venimadhava 2015 “Investigation of the intrinsic magnetodielectric effect in $\text{La}_2\text{CoMnO}_6$: role of magnetic disorder” J. Mater. Chem. C, 3, 836-843

S Dhawan, T Dhawan and A G.Vedeshwar 2014 “Growth of Nb_2O_5 quantum dots by physical vapor deposition” Materials Letters 126, 32

Choudhari, Tarun, and Nivedita Deo 2014 "Graphene with wedge disclination in the presence of intrinsic and Rashba spin orbit couplings" EPL (Europhysics Letters) 108.5: 57006

Sunita Singh, K. Priyabrat Pandey, Abhishek K.Singh and Supriya Kar. 2014 “Quantum Kerr (Newman) degenerate vacua in 4D on a non BPS brane” International Journal of Modern Physics A29, 1450164, pp. 45

K. Vijayarangamuthu and Shyama Rath 2014 “Nanoparticle size, oxidation state, and sensing response of tin oxide nanopowders using Raman spectroscopy” Journal of Alloys and Compounds 610, 706

Sonia Bhandari and Binay Kumar 2015 “Effect of structural modification by MnO_2 addition on the electrical properties of lead free flux grown $(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3$ – $(\text{K}_{0.5}\text{Bi}_{0.5})\text{TiO}_3$ single crystals” Crystal Growth and Design 15, 867–874

Negi, A. Singh, F, Kotnala, R.K., Kanjilal, D., Annapoorni S 2014 “Dielectric response of poly methyl methacrylate/ZnFe₂O₄ composites under 400 KeV Ar⁺² ions” Advanced Science Letters 20

International Conferences Organized/Attended

International Conference on Electron Microscopy & XXXV Annual Meeting of Electron Microscope Society of India (EMSI), July 7-11, 2014, Conference Centre, University of Delhi. (R.P.Tandon)

International Conference (CDAMOP 2015) in the Department of Physics & Astrophysics from 11th - 14th March, 2015, Conference Centre (North Campus) (Man Mohan)

Joint International Conference “9th Asian Meeting on Ferroelectricity (AMF-9)” and the “9th Asian Meeting on Electroceramics (AMEC-9)”, October 26-30, 2014, Shanghai, China. (R.P.Tandon)

“Nanotechnology and Nanomaterial Overview”, Summer School in July 2014 at Asian Institute of Technology, Thailand. (Shyama Rath)

“Higher Education and Social Enterprise”, International seminar on “University Engagement” in January 2015 at Srinakharinwirot University, Thailand (Shyama Rath)

Effect of argon pressure on the structural and optical properties of rf-sputtered ZnO thin films: Sojiphong Chatraphorn, Chaman Singh, Reena Goyal, Shyama Rath, Siam Physics Congress 2015 May 2015, Thailand. (Shyama Rath)

Modelling and experimental investigations of irradiation effects in Si radiation detectors, Siam Physics Congress 2015 May 2015, Thailand (Shyama Rath)

Attended ‘Nuclear Data week’ at BNL, USA during first week of November 2014 (Suresh Kumar)

SigmaPhi2014 - International Conference on Statistical Physics, Rhodes, Greece, 7-11 July 2014 (Nivedita Deo)

National Conferences

Invited talk in “New Trends in Field Theory”, 2014 at BHU-Varanasi (Supriya Kar)

Invited to chair a technical session in Strings (ISM) 2014, (DAE-Institutions), Puri (Supriya Kar)

National Conference on Microscopy & Advances in Material Sciences, March 2-4, 2015 University of Jammu, Jammu (R.P.Tandon)

“Study of the Structure and Ferroelectric Behavior of BaBi_{4-x}La_xTi₄O₁₅ Ceramics”, Ani Khokhar, Parveen K. Goyal, O. P. Thakurand K. Sreenivas (poster presentation) in 59th DAE-Solid State Symposium-2014, VIT University, Vellore, Tamilnadu, India. AIP Conf. Proc. (2015) (K. Sreenivas)

“Di-electric and Ferroelectric Properties of BaBi_{4-x}La_xTi₄O₁₅ Ferroelectric Ceramics” Anita Khokhar, Parveen K. Goyal, K. Sreenivas, (poster presentation) in National Seminar on Recent Trends in Physics and Chemistry (NSRTPC-15) 25th March, 2015 (K.Sreenivas)

“Study of the Relaxor Behavior of BaBi_{4+δ}Ti₄O₁₅ Ferroelectric Ceramics” Parveen K.Goyal, Anita Khokhar, K. Sreenivas, (poster presentation) in National Seminar on Recent Trends in Physics and Chemistry (NSRTPC-15) 25th March, 2015 (K.Sreenivas)

DDAP08- Dynamics Days Asia-Pacific, IIT Madras, Chennai, India, 21 July -24 July 2014. (Nivedita Deo) Seventh ISSS International Conference on Smart Materials Structures & Systems (ISSS 2014) Institute of Smart Structures & Systems, Indian Institute of Science, Bangalore, India, 7-11 July 2014 (Nivedita Deo)

Conference on Nonlinear Systems and Dynamics CNSD15 ISSER Mohali, 13-15 March 2015 (Nivedita Deo)

Number of Ph.D./M.Phil Degrees Awarded

Ph.D. : 18

Faculty Strength: Permanent- 47

DST INSPIRE- 4

Other Significant Information

Joined the Editorial Board of Pramana -Journal of Physics (Awadhesh Prasad)

A new programme for the nuclear data evaluation was started by Dr Suresh Kumar under the network of International Atomic Energy Agency (IAEA) for the activities of nuclear structure and decay data evaluation and compilation.

ZOOLOGY

Activities and Achievements

The Department of Zoology was recognized as the Centre for Advanced Studies (CAS) and continues to enjoy this status by special assistance of the UGC-SAP program. UGC extended its CAS status in 2012 for another five years and provided funds for this year also. The department has created a central instrument facility from grants under DST-FIST programme and also from funds given by the University. At present, the department has 195 M.Sc., 25 M. Phil. & 89 Ph.D. students. The current research and teaching in the Department include Animal Physiology, Animal Behaviour, Aquaculture, Cell Signaling, Endocrinology, Entomology, Microbiology, Genomics and Metagenomics, Molecular Cell Biology, Chromatin and Cancer Biology, Radiation Biology, Chronobiology, Reproductive Physiology and Toxicology. Apart from teaching, the faculty has been publishing papers in peer-reviewed research journals. The department practices interdisciplinary research. Faculty members are presently collaborating with leading institutes of the country like IMTECH, IARI, TERI, NEERI, ICGEB, IGIB, NII, and NIHF. Faculty members have received many prestigious awards and honours. They are also on the editorial board and/or as adhoc reviewers for many prestigious national and international journals and members of project advisory committees (PAC) of DST and DBT. All faculty members have extramural funding for their research projects and the Department international collaborations with Austria (FAO/IAEA), USA (INDO/US), and Switzerland (EAWAG- EPFL, UNIL), Norway (Norwegian University of Science and Technology). The Department has been holding various workshops, symposia, conferences and other teaching courses to provide a platform for scientific exchanges. It organizes workshops for college teachers to make them adapt to current trends. Apart from teaching and research, the Faculty members are making substantial contribution to the University system in various capacities. To further strengthen teaching and research in the Department, an extensive renovation and up-gradation of teaching and research laboratories is being undertaken.

Honours/Distinctions

Prof. Rup Lal: fellow, Indian National Science Academy, Delhi.

Prof. Rup Lal, Prof. Umesh Rai, Prof. R.K. Seth and Prof. M.M. Chaturvedi: fellow, National Academy of Sciences, Allahabad.

Prof. Rup Lal, Prof. Rina Chakrabarti: fellow, National Academy of Agricultural Sciences.

Dr. Shibnath Mazumder: INSA-Teachers Award.

Prof. R. K. Seth: fellow of Royal Entomological Society.

Research Projects- 24

National

Project Title	Principal Investigator	Sponsoring Agency
Understanding genome organization and gene expression in response to different Hexachlorocyclohexane (HCH) isomers in HCH degrading bacteria and the HCH dumpsite	Prof. Rup Lal	DBT
Development of Indicators for Anthropogenic, Environmental and Chemical Stress on Urban Ecosystem: A Study of Aquatic and Terrestrial Ecosystems of Yamuna River Catchments from National Capital Region (Delhi)	Prof. Neeta Sehgal and Dr. D. K. Singh	DU-DST Purse Scheme
Investigation on the Present Pigeonpea Pest Complex and Their Management with Emphasis on Radiation Technology as An Integral Component in IPM	Prof. R. K. Seth, DU	National Food Security Mission (NFSM), Ministry of Agriculture, Govt. of India
Anticipation in genes: Molecular, physiological and behavioral correlates of response of circa-annual clocks to seasons in night-migratory song	Prof. Vinod Kumar	DBT
A comparative study of testicular genes expressed during summer(regression) winter (active phase) in wall lizard to identify gene(s) associated with onset of spermatogenesis, and functional genomic studies using transgenic mouse model to find their importance in animal virility	Prof. Umesh Rai	DBT

International

Project Title	Principal Investigators	Sponsoring organization
Assessing Natural and Stimulated Biodegradation of the Pesticide Hexachlorocyclohexane (HCH) at Contaminated Field Sites Using Compound-Specific Stable Isotope Analysis (CSIA)	Prof. Rup Lal	DST-DAAD
Fish Farming Development in Nepal: Production of Extruder Made Plant-based Diets	Prof. Rina Chakrabarti	Norwegian University of Science and Technology (NTNU), Norway
Development of Generic Irradiation Doses for Phytosanitary Treatment of Mealy Bug Spp. Infesting Agricultural Commodities'	Prof. R. K. Seth	Intern. Atomic Energy Agency (IAEA), Vienna
IndoUS Joint Centre on Biological Timing	Prof. Vinod Kumar	Indo-US Science and Technology Forum
Estimating traceability using nuclear and molecular techniques for foods and feeds in India	Dr. DK Singh	Intern. Atomic Energy Agency (IAEA), Vienna

Inter Institutional Collaboration

Project Title	Principal Investigators	Sponsoring organization
Understanding genome organization and gene expression in response to different Hexachlorocyclohexane (HCH) isomers in HCH degrading bacteria and the HCH dumpsite	Prof. Rup Lal (DU) Collaborators: University of Delhi, South Campus, University of Hyderabad & IIT Mumbai	DBT
A comparative study of testicular genes expressed during summer(regression) winter (active phase) in wall lizard to identify gene(s) associated with onset of spermatogenesis, and functional genomic studies using transgenic mouse model to find their importance in animal virility	Prof. Umesh Rai, DU & Collaborators: Dr. Subeer Majumdar (NII)	DBT

The Nature of Impact of Abiotic Stresses on Three Diverse Freshwater Species of Fishes.	Prof. Rina Chakrabarti Collaborators: CIFA, CIFRI and KIIT University	NFBSFARA-ICAR
Neurobiology and Understanding the Circadian System Linkage of Cognitive Performance in an Avian Model System	Prof. Vinod Kumar, DU Collaborators: NBRC, Manesar	DST-CSI
Estimating traceability using nuclear and molecular techniques for foods and feeds in India	Dr. D. K. Singh, DU Collaborators: Institutes/Universities of the following countries: USA, UK, Austria, India, China, Morocco, Chile, Portugal, Singapore, Thailand, Botswana, Lebanon, Uganda.	IAEA/FAO

Publications-80

Sangwan, N., Verma, H., Kumar, R., Negi, V., Lax, S., Khurana, P., Khurana, J. P., Gilbert, J. A. and Lal, R. 2014 “Reconstructing an ancestral genotype of two hexachlorocyclohexane degrading *Sphingobium* species using metagenomic sequence data” ISME J. 8: 398-408

G. Majumdar, S. Rani and V. Kumar 2015 “Hypothalamic gene switches control transitions between seasonal life history states in a night-migratory photoperiodic songbird” Molecular and Cellular Endocrinology 399: 110-121

Khangembam, B. K. and Chakrabarti, R. 2015 “Trypsin from the digestive system of carp *Cirrhinus mrigala*: Purification, Characterization and its potential application” Food Chemistry (*Elsevier B.V.*, DOI: 10.1016/j.foodchem.2014.11.140)

Sharma, M., Rawal, L., Panwar, D., Sehgal, N., and Ali, S. 2014 “Differential expression of Homeobox C11 protein in water buffalo *Bubalus bubalis* and its putative 3D structure” BMC genomics, 15(1), 638

Sachdev. B., Zarin. M., Zubeda, Malhotra, P., Seth, R.K. and Bhatnagar, R. K. 2014 “Effect of gamma radiation on Phenoloxidase pathway, Anti-oxidant defense mechanism in *Helicoverpa armigera* (Lepidoptera: Noctuidae), and its implication in ‘Inherited sterility’ towards pest suppression” International Journal of Radiation Biology 90 (1):7-19

Bhakta G., Nurcombe V., Maitra A. and Shrivastava A., 2014 “DNA-encapsulated magnesium phosphate nanoparticle elicit both humoral and cellular responses in mice” Results in Immunology 4: 46–53

Brett A. Barbaro, Tamas Lukacsovich, Namita Agrawal et al 2014 “Comparative study of naturally occurring huntingtin fragments in *Drosophila* points to Exon 1 as the most pathogenic species in Huntington’s Disease” Human Molecular Genetics. DOI: 10.1093/hmg/ddu504

Banerjee. C, Khatri. P, Rajagopal. R, Bhatia. H, Datta. M. and Mazumder. S 2014 “Role of Calmodulin-Calmodulin Kinase II, cAMP/Protein Kinase A and ERK 1/2 on *Aeromonas hydrophila*-Induced Apoptosis of Head Kidney Macrophages” PLOS Pathogens 10.1371/journal.ppat.1004018

Chandrashekara K. T., Popli S. and Shakarad, M. 2014 “Curcumin enhances parental reproductive lifespan and progeny viability in *Drosophila melanogaster*” *Age* 36(5):1-14, DOI 10.1007/s11357-014-9702-8.

Conferences Organized/ Attended

CPDHE-UGC Academic Staff College Refresher course in Life Science (09th December to 29th December 2014 jointly organized by Department of Botany & Zoology, University of Delhi.

Number of Ph.D./ M.Phil. Degrees Awarded

Ph.D. : 16

M.Phil. : 11

Faculty Strength: Permanent-15

Number of National Journals Subscribed- Access to all journals subscribed by Central Science Library, University of Delhi.

Number of International Journals Subscribed- Access to all journals subscribed by Central Science Library, University of Delhi.

FACULTY OF SOCIAL SCIENCES

AFRICAN STUDIES

Activities and Achievements

The Department of African Studies was founded on 6th August, 1955 and specializes in History, Politics, Society, Economy, Geography and Literature on African affairs.

The Department is actively engaged in teaching and research having awarded a number of degrees over the years. The Department also undertakes the teaching of Swahili, one of the major African languages spoken in Eastern Africa. Till today more than 200 students have been awarded Diploma and Certificate in Swahili Language. In 2005, University Grants Commission (U.G.C.) established the Centre for African Studies within the Department.

Research Projects

Entrepreneurs in India: Prospects and Challenges, sponsored by R & D, DU. Amount Rs.60,000/-

Publications

Kumar, Suresh. January 2015. India's Partnership in Strengthening Education Sector in Rising Africa. 63-72. In A S Yaruigam ed. The Rising Africa. Opportunities and Challenges for India. Centre for African Studies. University of Delhi. India. ISBN: 978-93-5174-945-5.

Kumar, Suresh. October 2014. India's role in Strengthening Education Sector. In A S Yaruigam ed. Inside Africa: Contemporary Perspective. Shipra Publications. Delhi. (ISBN 978-81-7541-712-0).

Kumar, Suresh. Tracing Terrorist Trails, Afroasian. Vol.5. Issue 2. August 2014.

Prasad, Tribhuwan. Copper Mining and environmental challenges in Zambia, 'Thinker' Journal, Johannesburg, South Africa, 2013-14. (refereed journal) – ISSN : 9772075245006

Prasad, Tribhuwan. Integrated water resource management in southern Africa, in the book *The Rising Africa et. (ed)*, centre for African Studies university of Delhi, India. 2015. Pp-191-202. ISBN : 978-93-5174-945-5

Prasad, Tribhuwan. *India Africa Trade Relations*, Ansh Book International Publication, New Delhi. India. (2014) ISBN : 978-81-929327-2-9

Prasad, Tribhuwan. *Oil Exploration in Niger Delta : Environment and People of Nigeria*, RET International Academic Publishing, Mehsana, Gujrat. (2014) ISBN : 978-9384151-05-8

Prasad, Tribhuwan. *Copper Mining and Environmental Challenges in Zambia*, RET International Academic Publishing, Mehsana Gujrat. (2014) ISBN : 978-93-84757-04-1

Yaruingam, A.S. Co-edited: *The Rising Africa: Opportunities and Challenges*, Centre for African Studies, Delhi (ISBN 978-93-5174-945-5).

Yaruingam, A.S. Co-edited: *Rethinking Education in The Hills of Northeast India*, Shipra Publications, Delhi (ISBN 978-81-7541-787-8).

Yaruingam, A. S., 2014. Remapping India's Cultural Ties with Anglophone Africa in *Indian Journal of African Studies*, Vol. No. XIX, No. 1&2, ISSN No. 0971-5320.

Conferences Organized/Attended

Kumar, Suresh. Global Governance, 8-10 December 2014, Organized by World Policy Conference, French Institute of International Relations, Seoul, South Korea. Topic: Asia-Africa Cooperation in Farm Sector

Kumar, Suresh. Lecture in Interactive Session on Economic Potential in Senegal, Federation of Indian Export Organizations (FIEO), 30th April 2014 Topic : Trade & Investment Opportunities in Senegal.

Prasad, Tribhuwan. India-Africa trade in 21st century: south-south co-operation or a new pecking order, international conference of African studies association of Germany (VAD) congress in Bayreuth Germany from 11-14 June, 2014.

Prasad, Tribhuwan. Panelist in a symposium on same but different? India Africa relations and Chinese involvement in the continent. Organized by UGC Centre for African Studies, SIS/JNU and (PRIASA), on 21 October 2014.

Number of Ph.D./M.Phil. Degrees Awarded

Ph.D : 2
M.Phil : 5

Faculty Strength: Permanent- 3; Ad-hoc-1

Number of national journals subscribed : 1

Other significant information

Publication of Journal "Indian Journal of African Studies, Vol. No. XIX (1&2)"

ADULT, CONTINUING EDUCATION AND EXTENSION

Activities and Achievements

The Department is part of the Faculty of Social Sciences since 1985. It had its beginning in 1978 as a Cell. It has introduced M.A. in Lifelong Learning and Extension and the M.Phil Programme. The Department has developed a unique programme of short-term courses for the student community on personal interest promotion and skill training. Some of the popular courses are Travel & Tourism, Counseling and Guidance, Science and Sports and Journalism.

Inter Institutional Collaboration

National Workshop on “Prospects of Lifelong Learning & Extension” in collaboration with UNESCO Exchange Programme with the University of Wurzburg.

Publications

Dixit, V.K, (2014) A Study of Adoption of Information and Communication Technology (ICT) among the Lower Income Group Muslims in Delhi, Indian Journalism of Lifelong Learning & Educational Guidance, Vol. 1, No. ISSN 2349-0926), New Delhi.

Dixit, V.K. (2014), Development of Education System Under Dogra Raj in Jammu & Kashmir (1846 – 1947), Indian Journalism of Lifelong Learning & Educational Guidance, Vol. 1, No. ISSN 2349-0926), New Delhi.

Dixit,V.K. (2014) Bio-diversity Conservation: Some Cultural and Ethical Issues. Annals of the National Association of Geographers India, Vol. xxxiv, No.01.

Dubey,J.P (2014) Therapeutic Community Model in Treating Substance Abusers (Co-author Atul Gautam), IAEA, Vol. 75, No.1, pp. 65-78, New Delhi

Dubey, J.P, (2014) Products and Processes Influencing Extension in Universities in Adult and Lifelong Learning Selected Articles, Editor V. Mohan Kumar, Published by IAEA,

Rajesh,(2014) Vistaar –Extension in Higher Education: From Campus to Community (Page No. 1-7), Indian Journalism of Lifelong Learning & Educational Guidance, Vol. 1, No. ISSN 2349-0926), New Delhi

Rajesh, (2014), Education and Employment Opportunities for Transgender in India (Pages7-16), Indian Journalism of Lifelong Learning & Educational Guidance, Vol. 1, No. ISSN 2349-0926), New Delhi

Rajesh, (2014), Case Study of Employment Among Elderly Population – Study of Delhi NCR (Pages 30-37), Indian Journalism of Lifelong Learning & Educational Guidance, Vol. 1, No. ISSN 2349-0926), New Delhi.

Sisodia,Vandana, (2014) Effect of Incorporation of Different Organic Sources on Growth and Yield of Pusa Basmati Rice (Orgza Sativa l.) International Journal of Ecology Environment and Conservation.

Sisodia,Vandana, Singh Kumar, Anil (2014), “ Flower Production in Rural and Peri Urban Areas and Climate Change. Novel Innovation and Strategies for Boosting Production and Productivity in Agriculture”. ISBN-978-81-926935-6-9.

Yadav,Rahul (2014) “*Lifelong Learning (LLL) and Globalization*” published by International Journal of Humanities and Social Studies (IJHSS) , ISSN 2321-9203.

Conferences Organized /Attended

Organized two-Day work on “Prospects of Lifelong Learning & Extension 20-21 October, 2014.

Sisodia, Vandana. National seminar on sustainable water resources management in era of changing climate. 2014.

Sisodia, Vandana. Conferences Impact of Natural disaster on wildlife and mitigation strategies, 2014. NIDM, at Amity University, Noida, 21-23 May 2014.

Faculty Strength: Permanent- 5

Number of National Journals subscribed (*online + Paper back version*) - 03 (Paper back version)

Other Significant Information

The Department is in the process of developing a new short-term course on “Radio Broadcasting” as a skill training programme for both University and Non-university groups.

EAST ASIAN STUDIES

Activities and Acheivements

The year 2014 was the Golden Jubilee year of the Department. Many events were organized to mark the event. The grand finale of the Golden Jubilee function comprised a symposium on ‘India and East Asia’ and a cultural programmes of Indian Classical music, Santoor and Mridangam.

Honours/Distinctions

Second World Buddhist Outstanding Award 2015 from Government of Thailand and the World Fellowship of Buddhist Youth awarded to Prof. Anita Sharma

Research Project

MHRD-UGC-e-pg-Pathshala-Chinese

Inter Institutional Collaboration

Collaboration with Centre for Air Power Studies (CAPS).

Conferences Organized/Attended

“V.P.Dutt Memorial Lecture” held on 2nd April, 2014 by Prof. Frank Pieke.

Seminar on “Development of East Asian Studies in India” on 31st October 2014.

Special Lecture on “The Rise of China’s Supermanagers” on November 17, 2014 by Prof. K. Erik Brodsgaard.

Special Lecture on “Taiwan in the International Arena” held on 8th December 2014 by Amb. Ranjit Gupta.

Symposium on “India and East Asia” held on 12th December 2014.

International Seminar with the collaboration with Researcher's Association for the Study of Korea (RASK) on "Evolving Indo- Korea Relations; Perspectives on South Asia held on March 27-28, 2015

Number of Ph.D/M.Phil Degrees Awarded

Ph.D. : 3
M.Phil. : 7

Faculty Strength: Permanent -14; Temporary- 1; Ad-hoc-4

Number of National Journals subscribed (Paper back version) : 02
Number of International Journals subscribed (Paper back version) : 10

Other significant information

Sanction of Grant of Rs. 60,00,000/- by U.G.C under Area Studies Programme

ECONOMICS

Activities and Achievements

During the period April 2014 to March 2015, members of the Department continued to contribute to the field of economics in significant ways. Several faculty members published their research works in leading national and international professional journals. They also participated in policy debates through writings in popular journals and produced two well-regarded economic forecasts. The Department remains a UGC Centre of Advanced Study and for the fifth successive year it was ranked the highest amongst university economics departments in India by Repec, a global electronic archive of working papers and publications in Economics (<http://ideas.repec.org/top/top.india.html>).

In 2014-15, as many as 3958 students applied for the M.A. programme, an increase of nearly 40% as compared to the previous year. The Department also continues to attract research students for its M.Phil. and Ph.D. programmes. It has been highly successful in placing its Masters graduates in corporate jobs as well as in Ph.D. programmes in the top-grade universities abroad.

Honours/Distinctions

Prof. Pami Dua was President – Elect of the Indian Econometric Society.

Publications

Bag, Sugata, Guha, Subrata, Kundu Rajendra and Subramanian, S. (forthcoming). On Breach Remedies: Contracting with Bilateral Selfish Investment and Two-Sided Private Information. In Subrata Guha, Rajendra Kundu, and S.Subramanian (eds.), *Contributions to Economic Analysis: Essays in Honour of Satish Jain*. Routledge, New Delhi.

Banerji, A. (forthcoming). Information and Consumer Willingness to Pay for Biofortified Yellow Cassava: Evidence from Experimental Auctions in Nigeria", *Agricultural Economics*.

Banerji, A., & Gupta, N. (2014). Detection, Identification, and Estimation of Loss Aversion: Evidence from an Auction Experiment. *American Economic Journal: Microeconomics*, 6(1), 91-133

Bhattacharjea, A. (2014). Discussant's Comments (on Sean Dougherty, Veronica Frisancho and Kala Krishna), State-Level Labor Reform and Firm-Level Productivity in India, in Shekhar Shah, Barry Bosworth, and Arvind Panagariya (eds.), *India Policy Forum 2013-14*, Sage Publications.

- Das, Mausumi, Kar, Sabyasachi and Nawn Nandan (eds.), (forthcoming). *Economic Challenges for The Contemporary World: Essays in Honour of Prabhat Patnaik*, Sage Publications.
- Dua, P. and Tuteja, D. (forthcoming). Impact of Eurozone Sovereign Debt Crisis on China and India. *Singapore Economic Review*.
- Dua, P. and Tuteja, D. (forthcoming). Global Financial Crisis and Eurozone Debt Crisis: Impact on Exports of China and India. In Pradeep Agarwal (ed.), *Policies for Sustaining High Growth Rates in India*.
- Aye, G.C., Dua, P. and Gupta, R. (forthcoming). Forecasting Indian macroeconomic variables using medium scale VAR Models, in S.K. Upadhyay (ed.), *Current Trends in Bayesian Methodology with Applications*, Chapman Hall/CRC Press.
- Ray, S.C., Kumbhakar, S.C. and Dua, P.(ed.) .(2015). Benchmarking for Performance Evaluation, *Springer*.
- Dua, P. and Bhanumurthy, N.R. and Kumawat, L. October 2014. 'India-Link', Economic Outlook 2014-15, Monograph.
- Dua, P. and Raje, N. (2014). Determinants of Yields on Government Securities in India. *Margin– The Journal of Applied Economic Research*, 8, 375-400.
- Dua, P., & Garg, R. (2014). Macroeconomic Determinants of Foreign Direct Investment: Evidence from India. *The Journal of Developing Areas*, 49(1), 133-155.
- Garg, R., & Dua, P. (2014). Foreign Portfolio Investment Flows to India: Determinants and Analysis. *World Development*, 59, 16-28.
- Gupta, Shreekanth. (forthcoming). Environmental Policy and Governance in a Federal Framework: Perspectives from India. In J. Huang and S. Gupta (eds.) *Environmental Policies of Seven Asian Countries*, World Scientific Publishing, Singapore.
- Dua, P., & Garg, R. (2014). Macroeconomic Determinants of Foreign Direct Investment: Evidence from India. *The Journal of Developing Areas*, 49(1), 133-155.
- Garg, R., & Dua, P. (2014). Foreign Portfolio Investment Flows to India: Determinants and Analysis. *World Development*, 59, 16-28.
- Tuteja, Divya & Dua, P. (forthcoming). Impact of Eurozone Sovereign Debt Crisis on China and India, *Singapore Economic Review*.
- Tuteja, Divya & Dua, P. (forthcoming). Global Financial Crisis and Eurozone Debt Crisis: Impact on Exports of China and India in Pradeep Agarwal (ed.), *Policies for Sustaining High Growth Rates in India*.
- Nayak, P. (2014). Growth Prospects of the Indian Economy During The Twelfth Plan and After. *Indian Economic Journal (Special Issue)*.
- Pandit, B.L. & Tuteja, Divya (forthcoming). Monetary Policy Transmission: Cointegration and Vector Error Correction Analysis, in B.L. Pandit, *Global Financial Crisis and Indian Economy*, Springer-Verlag.
- Param Jit & Chauhan, P. S. (2014). Analytical Study of India's Energy Technology Strategies and Climate Change Initiatives. In P.S. Chauhan (ed.), *Energy and Sustainable Development in India*,

206-223. Patiala: Twenty First Century Publications.

Singh, R. (forthcoming). Economic Efficiency. In Jürgen Backhaus (ed.), *Encyclopedia of Law and Economics*, Springer.

Singh, R. (forthcoming). Land for Industrialization and Urbanization: An Enquiry into Regulatory Constraints. In Amitabh Kundu (ed.), *Urban Land, Deutsche Gesellschaft Für Internationale Zusammenarbeit (GIZ)*, New Delhi.

Singh, R. (2014). Existence and Efficiency of Equilibria: When Care is Multidimensional. In Subrata Guha, Rajendra Kundu, and S.Subramanian (eds.), *Contributions to Economic Analysis: Essays in Honour of Satish Jain*. Routledge, New Delhi.

Singh, R. & Paramjit (2014). Infrastructure: Source of Growth or Bottleneck. In Goyal, A. (ed.), *Handbook of the Dynamic Indian Economy*, New Delhi: Oxford University Press.

Sinha, U.B. and Bhattacharjea, Aditya (forthcoming). Multi-Market Collusion with Territorial Allocation, *International Journal of Industrial Organization*.

Sinha, U.B. and Tarun Kabiraj (2014). Foreign Entry, Acquisition, Target and Host Country Welfare, *Manchester School*.

Sinha, U.B. and Tarun Kabiraj (2014). Strategic Outsourcing with Technology Transfer Under Cournot Competition”, *Economics Bulletin*, Vol.34 (2), 1133-1140.

Mukherjee, A., & Sinha, U. B. (2014). Can Cost Asymmetry be a Rationale For Privatisation? *International Review of Economics & Finance*, 29, 497-503.

Somanathan, R., Roemer, John and Acharya, Avidit (forthcoming). “Caste, Corruption and Political Competition in India”.

Conferences Organized

The Department organized a total number of 34 seminars and 4 public lectures. The details of a few seminars and public lectures are given below:

Seminar by Prof. Rohini Pande, Harvard University, on ‘Why are Indian Children Shorter than African Children?’ July 29, 2014.

Seminar by Prof. Pulapre Balakrishnan, Centre for Development Studies, on ‘The Mechanism of Long-Term Growth in India’ on August 22, 2014.

Seminar by Prof. Joachim Betz, German Institute of Global and Area Studies, on ‘International Monetary and financial Order’ on September 19, 2014.

Seminar by Prof. Esther Duflo, MIT, on ‘The Value of Regulatory Discretion: Estimates from Environmental Inspections in India’ on November 7, 2014.

Public Lecture by Prof. Abhijit Banerji, Massachusetts Institute of Technology, on ‘Credit Access and the Poor’, on November 20, 2014.

Public Lecture by Sir Partha Dasgupta, University of Cambridge, on ‘Well-Being and Wealth’ on December 11, 2014.

Public Lecture by Dr. Arvind Subramanian, Chief Economic Adviser, GOI, on ‘The Economic Survey of India 2014-15’. On March 03, 2015.

The Department also organized Winter School, December 15–17, 2014. Eminent speakers were Professor M. Scott Taylor (University of Calgary, Canada), Professor Thomas Sargent (Nobel Laureate 2011, New York University, USA), Professor Kaushik Basu (Sr. Vice-President and Chief Economist, World Bank) and Professor Bina Agarwal (University of Manchester and Institute of Economic Growth, Delhi).

Conferences Attended

Bhattacharjea, A. Jindal Global University, *Sonepat*, November 2014.

Bhattacharjea, A. April 2014. Presentation on “Recent Antitrust and IP Cases in the Indian Pharmaceuticals Sector and Prospects for Cheaper Drugs”, at the international workshop on ‘Intellectual Property and Innovation in the Globalized World’, *Skolkovo Foundation, Moscow*.

Deshpande, Ashwini. Workshop on ‘Reservations in Education in India’, South Methodist University, Dallas, Texas, organized by the *South Asian Research and Information Institute*, September 6, 2014.

Deshpande, Ashwini. *University of Warwick*, November 11, 2014.

Deshpande, Ashwini. ‘Migrating Out of Poverty Research Programme Consortium’, *University of Sussex*, November 27, 2014.

Deshpande, Ashwini. Oxford India Centre for Sustainable Development, *University of Oxford*, December 3, 2014.

Deshpande, Ashwini. 10th Annual Conference on ‘Economic Growth and Development’, *Indian Statistical Institute, New Delhi*, December 18 – 20, 2014.

Deshpande, Ashwini. Panelist at the launch of ‘India and the MDGs: Towards a Sustainable Future for All’, *New Delhi*, February 4, 2015.

Deshpande, Ashwini. Panelist at Conference on ‘Sustainable Development: Natural and Human Capital Dimensions’, *Gujarat Institute of Development Research, Ahmedabad*, February 12, 2015.

Deshpande, Ashwini. First Annual Shiv Nadar University Political Economy Workshop, February 20, 2015.

Deshpande, Ashwini. *University of Hyderabad*, March 31, 2015.

Dua, P. February, 2015. “Econometrics: Alchemy or Science”, Inaugural Address, International Conference on Applied Economics and Finance, GITAM School of International Business (in collaboration with TIES), *Visakhapatnam*.

Dua, P. February, 2015. “A Structural Macroeconometric Model for India”, Seminar on India’s Macroeconomy, *Centre for Economic Studies and Planning, Jawaharlal Nehru University*.

Dua, P. February, 2015. “Challenges and Changes Ahead”, Panelist, OECD-NIPFP Workshop on New Approaches to Economic Challenges, *NIPFP*.

Dua, P. December, 2014. “Use of Technology and Innovation in Promoting Good Governance”, Inaugural Address, Seminar on Good Governance, *Cluster Innovation Centre, University of Delhi*.

Dua, P. December, 2014. “Impact on Eurozone Sovereign Debt Crisis on China and India”, Invited Lecture, 51st Annual Conference of *The Indian Econometric Society, Punjabi University, Patiala*.

Dua, P. December, 2014. “Time Series Econometrics and Empirical Analysis”, Inaugural Address, Refresher Training Programme in Econometrics (for ISS Officers), *Institute of Economic Growth*.

Dua, P. November, 2014. “Ecology of the Soul and the Balance of Nature”, Inaugural Address, Conference on Spiritual Ecology and Sustainability, *Maharaja Agrasen College*.

Dua, P. August, 2014. “Determination of INR/USD Exchange Rate: Modelling and Forecasting”, *South Asian University*.

Dua, P. August, 2014. “Impact of Eurozone Sovereign Debt Crisis on China and India”, Workshop on Policies for Sustaining High Growth in India, *Institute of Economic Growth*.

Dua, P. May, 2014. “The Power of Example: India’s Approach to Soft Power”, Panelist, Conference on Innovative Engagement for Sustainable Development: The Edinburgh – India Story, *Edinburgh India Institute, University of Edinburgh*.

Kanwar, Sunil. Special Lecture, ‘21st Biennial Conference of the Association of Indian Economic and Financial Studies’, *University of Hyderabad*, August 3 – 4, 2014.

Kanwar, Sunil. ‘Asia Pacific Innovation Conference’, *University of Technology at Sydney*, November 27 – 29, 2014.

Kanwar, Sunil. *University of Malaya (Department of Economics)*, December 1, 2014.

Kanwar, Sunil. ‘8th Micro-Evidence on Innovation and Development (MEIDE) Conference’, organized by *UNU-MERIT, Maastricht, The Netherlands in New Delhi*, February 10 – 12, 2015.

Somanathan, R. April 14, 2015. “Community Contracts: An Experimental Investigation of Rule Formation in Indian Villages”. Paper presented at *Graduate Institute, Geneva*.

Somanathan, R. February 23, 2015. “Social Divisions and Exclusion in the Political Economy of Public Goods”. Paper presented at *Tata Institute for Social Sciences, Bombay*.

Somanathan, R. January, 8, 2015. “Community Contracts: An Experimental Investigation of Rule Formation in Indian Villages”. Paper presented at *Azim Premji University, Bangalore*.

Somanathan, R. December, 15, 2014. “Aggregation, Ideology and the Ordering of Caste”. Paper presented at *Centre for the Study of Social Sciences, Kolkata*.

Somanathan, R. November 5, 2014. “School Meals and Student Outcomes in Delhi”. Paper presented at *NEUPA, Delhi*.

Somanathan, R. September 13, 2014. “Aggregation, Ideology and Social Orderings”. Paper presented at *Princeton University*.

Somanathan, R. August 21, 2014. “Community Contracts: An Experimental Investigation of Rule Formation in Indian Villages”. Paper presented at *University of Virginia, Department of Economics*.

Somanathan, R. June 28, 2014. “Caste, Corruption and Political Competition in India”. Paper presented at Theoretical Research in Development Economics Conference, *Barcelona*.

Number of Ph.D Degrees Awarded : 2

Faculty Strength; Permanent - 19; Ad hoc - 06

Number of national journals subscribed (online + paper back version) – Only Prints 61
Number of International Journals subscribed (online + paper back version) 46 Online +186 Print
Total = 293

Other Significant Information: Published bi-annual journal- Indian Economic Review.

GEOGRAPHY

Activities and Achievements

The Department leads in strengthening the discipline of Geography in India through its emphasis on Interdisciplinarity, Innovation and Inclusiveness. The Department of Geography through its teaching and research activities aims for bridging the gap between the physical sciences and social sciences. The Department was awarded second prize in Antardhvani 2014 for Best Practices. Faculty members of the Department have published in a range of internationally known, peer reviewed discipline centric and interdisciplinary journals. The Department is actively engaged in research collaboration with international partners in the Netherlands, Finland and Sweden.

Honours/Distinctions

Dr. R.B Singh was honored as Springer Series Editor: Advances in Geographical and Environmental sciences since 2014.

Dr. Ashis Kumar Saha Awarded DAAD Re-invitation Fellowship (2014) for visiting IPF, TU-Dresden, Germany from 1.6.2014 to 30.7.2014.

Mr. Praveen Kumar Pathak became Visiting Scholar, Vienna Institute of Demography, Austrian Academy of Sciences, Vienna, Austria during June-July, 2014.

Department installed an Automated Weather Station for research in climate sciences. The Department has initiated a Media Lab, the first of its kind in any Geography Department in the country. The Media lab would explore how contemporary media is shaping geographical knowledge. It simultaneously attempts to bring such knowledge within mainstream Geography and create an archival database.

Research Projects

Dr. R.B Singh having Project Title “Livelihood Security in Changing Socio-Economic Environment in Himachal Pradesh” Rs. 552,500/- Indian Rupees Per Year (Approx.) University of Turku, Finland.

Dr. Subash Anand having project entitled “Development and Feasibility of Geo-parks in India: A case study of Varkala” funded by the Research and Development Grant 2014-15 from University of Delhi.

Dr. Aparajita De having project titled “The Spatial Politics of the Real and the Imagined: Studying Geographies of Mumbai through Media” Research grant received in 2012-13, 2013-14 and 2014-14 from Delhi University.

Dr. Praveen Kumar Pathak having project entitled ‘Geospatial Analysis of Juvenile Sex Ratios in India’ funded (Rs.85,000/-) by the Research and Development Grant 2014-15 from University of Delhi.

Dr. Pankaj Kumar having Research Project entitled Snow Cover Dynamics and its Impact on Livelihoods: A Case Study of Spiti River Basin, Lahaul and Spiti District, Himachal Pradesh. (Rs. 1,00,000/-) by the Research and Development Grant 2014-15 from University of Delhi.

Dr. Netrananda Sahu having project entitled “Stochastic analysis of Intra-seasonal rainfall variability in Himachal Himalaya” funded (Rs.1,00,000/-) by the Research and Development Grant 2014-15 from University of Delhi.

Inter Institutional Collaboration

International collaboration on Project Title “Livelihood Security in Changing Socio-Economic Environment in Himachal Pradesh” Rs. 552,500/- Indian Rupees Per Year (Approx.) between University of Turku, Finland and University of Delhi.

International Collaboration with Department of Gender Studies Lund University Sweden under the prestigious LINNEAUS PALME programme. This is the second year. The programme is funded by the Swedish Council of Higher Education and Swedish International Development Agency SIDA.

Publications

Pandey, B.W (2014). Dynamics of Land Use Change: Sustainability and Management (ed.) Research India Press, New Delhi. Pp.316 ISBN: 978-93-5171-002-8

Pathak, P.K., Tripathi, N., Subramanian, S.V. (2014) Secular Trends in Menarcheal Age in India: Evidence from the Indian Human Development Survey. PLoS ONE 9(11): e111027. doi:10.1371/journal.pone.0111027.

Rai, S.C. and Saha, A.K. (2015), Impact of Urban Sprawl on Groundwater Quality: a Case Study of Faridabad City, National Capital Region of Delhi - Arabian Journal of Geosciences, DOI: 10.1007/s12517-015-1811-x. (Impact Factor 2013: 1.152).

Saha, A.K., Bandyopadhyay, N., Bhuiyan, C. (2015), Temperature Extremes, Moisture Deficiency and Their Impacts on Dryland Agriculture in Gujarat, India, In: Andreu, J., Solera, A., Paredes-Arquiola, J., Haro-Montegudo, D. & Van Lanen, H. (Eds.) Drought: Research and Science-Policy Interfacing, CRC Press, Balkema, pp. 119-124 (ISBN 978-1-138-02779-4).

Sahu N., Behera SK, Ratnam JV, Silva RV, Parhi P, Duan W, Takara K, Singh RB & Yamagata T (2014). El Nino Modoki Connection to Extremely-Low Streamflow of the Paranaiba River in Brazil, *Climate Dynamics*: 42,1509-1516, DOI 10.1007/s00382-013-2006-3

Singh, R.B., Pandey, B.W., Prasad, Abhay Shankar. (2014). Adaptation Strategies for Flood Risk Mitigation in Lower Brahmaputra River Basin, Assam through Integrated River Basin Management. (R. B. Singh, B. W. Pandey and Abhay Shankar Prasad). Transactions, Institute of Indian Geographers (IIG). Vol.36. No. 2. Pp. 159-170.

Singh, R.B., Pandey, B.W., Prasad, Abhay Shankar. (2014). Extent and Magnitude of Flood due to Soil Erosion in Lower Brahmaputra River Basin Assam (R. B. Singh, B. W. Pandey and Abhay Shankar Prasad). Annals of the National Association of Geographers India (NAGI). Volume: XXXIV No. 2 . ISSN: 0970972X. Pp. 162-179.

Singh, R.B., Pandey, B.W., Prasad, Abhay Shankar. (2014). Living With Flood and Sustainable Livelihood Development in Lower Brahmaputra River Basin Assam. Indian Streams Research Journal, (A Peer reviewed International Multidisciplinary Research Journal) Vol.4 Issue. Online. ISSN NO. 2230 7850. Pp. 01-09. (Impact Factor .2105)

Singh, R.B. (2015). Urban Development Challenges, Risk and Resilience in Asian Mega Cities- Sustainable Urban Future of Emerging Asian Mega Region, Springer, Tokyo.

Singh, R.B. and Hietala, R. (2014). *Livelihood Security in Northwestern Himalaya*, Springer, Tokyo.

Singh, R.B., Singh, Mehtab. and M.I.Hasan (2014). *Climate Change and Biodiversity*, Springer, Tokyo.

Singh, R.B, Singh, Mehtab., and M.I.Hasan. (2014). *Landscape Ecology and Water Management*, Springer, Tokyo

Singh, R.B., Grover, Aakriti and Zhan, Jinyan (2014). Inter-Seasonal Variations of Surface Temperature in the Urbanized Environment of Delhi Using Landsat Thermal Data, *Energies* 7, doi:10.3390/en7031811.

Singh, R.B. and Shi, C.: Advances in Observation and Estimation of Land Use Impact on Climate Changes: Improved Data, Upgraded Models and Case Studies, *Advances in Meteorology DX*. DOI.org/10.1155/2014/748169.

Singh, R.B. and Suraj Mal(2014). Trends and Variability of Monsoon and other Rainfall Seasons in Western Himalaya, *Atmospheric Science Letters*, DOI: 10.1002/asl2.494.

Conferences Organized

UGC SAP – DRS III Seminar: The National seminar was organized on Thrust Areas: Environment & Resource; Urban & Regional Planning during March 20-21, 2015. About 150 Delegate attended the seminar.

International Conference: Re Orienting Gender: Geographies of Resistance, Agency, Violence and Desire in Asia. Convened by Dr. Anindita Datta, total delegates 132, participation of 11 countries including India. Supported by IGU Commission for Gender and Geography, ICSSR, INSA, Departments. UGC SAP Programme, University of Delhi and SASNET.

Department organized ICSSR sponsored Research Methodology Course for SC/ST Ph.D students during 26th December, 2015 to 4th January, 2015. Dr. Pankaj Kumar was the coordinator of the Programme.

The Department in collaboration with ISRS, Delhi Chapter, DTRL, DRDO and Department of Space, Government of India celebrated Remote Sensing Day on 19th September, 2014.

Conferences Attended

De, Aparajita. Presented paper titled Reconstructing the past: the making of Darjeeling through colonial and local narratives, At the *Colonial Northeast India: Local Histories, Regional Cultures, Global Connections Conference, Asia History Hub, School of Historical and Philosophical Studies at the University of Melbourne, Australia; University of Toronto; Delhi University, 2014*.

De, Aparajita. Presented paper titled Translating at the Margins: Colonial Ethnography and Revival of Ethnic Questions, The sixth Asian Translation Traditions Conference (ATT6), at the *University of the Philippines in Diliman, Quezon City, 2014*.

Pandey, B.W. Presented a research paper and Chaired Atelier Session in Global Mountain Fair Observatories Workshop at *University of Nevada, Reno, USA. 2014. July 16-19*.

Pandey, B.W. Participated Co-Chaired a session and presented a research paper in International Conference on Change in Cryosphere its Impact on Ecosystem Services and Rural Livelihood:

Understanding Local Adaptation in the Himalayan Region. *Department of Earth Sciences, Institute of Mountain Environment Baderwah Campus, University of Jammu*. October 13-14, 2014.

Pathak, Praveen Kumar. Presented research paper entitled 'The Role of Husband, Mother-in-Law and Social Networks on Fertility Patterns in Rural India' at the Annual Meeting of Population Association of America (PAA), May 1-3, 2014, *Boston, USA*.

Singh, R.B. Participated, presented and chaired a session at IGU Regional Conference at *Krakow, Poland* during August 14-20, 2014.

Number of Ph.D/M.Phil Degrees Awarded

Ph.D. : 14
M.Phil : 12

Faculty Strength: Permanent- 14

Number of national journals subscribed: Ratan Tata Library subscribes journals in both online and paper back format.

Number of International journals subscribed: Ratan Tata Library subscribes international journals in both online and paper back format.

Other Significant Information

The Department of Geography constituted *Swachhha Bharat Abhiyaan* Committee involving faculty members, M.A., M.Phil. and Ph.D. students. A workshop on "Research and Action Oriented Strategy for *Swachhha Bharat Abhiyaan*" was organized on 17th October, 2014.

HISTORY

Activities and Achievements

The members of the Department of History have presented their research work at various national and international conferences, and have published papers in national and international journals and have produced several important monographs.

Honours/Distinctions

Dr. Shonaleeka Kaul was awarded the Fellowship for Indology and Sanskrit Studies (Leiden University), in the summer of 2014.

Dr. Vipul Singh was awarded the Carson Fellowship (2014-15) at Rachel Carson Centre, LMU, Munich

Research Projects

Dr. Biswamoy Pati is involved in the 'India-New Zealand Project' on the Indian Diaspora in the Pacific under the aegis of the UGC and the Research Council, New Zealand.

Inter Institutional Collaboration

Dr. V. L. Singh has institutional collaboration with Australian High Commission for Workshop on Innovative Teaching Methods.

Publications

Gupta, Charu. (2015). 'Embodying Resistance: Representing Dalits in Colonial India'. *South Asia: Journal of South Asian Studies* 38, 1 : 100-18 (International)

Gupta, Charu. (2014). 'Intimate Desires: Dalit Women and Religious Conversions in Colonial India'. *The Journal of Asian Studies* 73, 3, August : 661-87 (International)

Pati, Biswamoy and Singh, Lata (2014). *Colonial and Contemporary Bihar and Jharkhand*, (Delhi, Primus).

Sahu, Bhairabi P. ed. *Interrogating Political Systems: Integrative Processes and States in Pre-Modern India* (N. Delhi: Manohar).

Singh, Upinder, Dhar, Pandya and Parul (2014). eds. *Asian Encounters: Exploring Connected Histories* (Delhi, Oxford University Press).

Singh, V.L. (2015). *Women and Gender in Ancient India* (Delhi, Aryan International Books).

Singh, Vipul (2015). *Paryavaran Par Manav Padchinha* ,New Delhi: Trinity.

Singh, Vipul. (2014). 'Gangetic Floods: Landscape Transformation, Embankments, and Clay Brick-Making'. In *Asian Environments: Connections Across Borders, Landscapes and Times*, edited by Ursula Münster, Shiho Satsuka and Gunnel Cederlöf (Munich: Rachel Carson Centre), 23-28.

Tyagi, Jaya S. (2014) *Contestation and Compliance: Retrieving Women's 'Agency' from the Matsyamahapurana* ,N. Delhi, Oxford University Press.

Veluthat, Kesavan , Donald R. and Davis Jr. (2014). *Irreverent History: Essays for M. G. S. Narayanan* ,Delhi, Primus.

Conferences Organized/Attended

Dr. Biswamoy Pati organized an International Workshop on 'Indentured Labour' in Delhi University at Delhi University (8 November, 2014).

David V. Zou was Co-convenor for an International Workshop on "Colonial Northeast India: Local histories, regional cultures, global connections" organized by the Universities of Delhi, Melbourne, and Toronto, at India International Centre (Annexe), New Delhi. (1-2 Dec. 2014)

Dr. Parul Pandya Dhar presented a paper titled, 'Encountering Ravana in Early Calukyan Deccan,' at the European Association of South Asian Art and Archaeology (EASAA 14) conference held in Stockholm, Sweden, June 29-July 4, 2014. [International level].

Prof. S. Z. H. Jafri, 'Linkages, Adaptations and Exchanges: Transmission of Knowledge in India and the Islamic East', in an International Seminar on Cultural Relations between Perso-Arab World and India through the Ages, organized by the Asiatic Society, Kolkata (in collaboration with Department of Arabic and Persian , University of Calcutta), 16th-17th March 2015.

Dr. Vikas Gupta and Dr. Prabhu Mahapatra organized an International Conference on 'Modern Transformations and the Challenges of Inequalities in Education in India' in the University of Delhi (27-29th November 2014).

Number of Ph.D/M.Phil Degrees awarded

Ph.D : 11
M.Phil : 19

Faculty Strength: Permanent - 38

POLITICAL SCIENCE

Activities and Achievements

The Department of Political Science is engaged in the process of knowledge production and dissemination. In the course of the year, the Department organized conferences and seminars in collaboration with both national and international bodies, to encourage research and deliberations on issues which are significant in contemporary political studies, including southern perspective on globalization, the notion of power and justice, perspectives on the future of democracy in India, etc.

The research students in the Department have been an important component of the academic activities of the Department. This academic year the Department also undertook faculty expansion and fresh appointments to the posts of Professor were made.

Honours/Distinctions

Prof. Rekha Saxen was appointed the lead coordinator from India on the theme of Intergovernmental relations in India for the Leverhulme International Network, UK on Indian federalism, 2014 onwards.

Prof. Satyajit Singh was nominated as ICSSR, India Chair at Ryukoku University, Kyoto, Japan, from November 2014-April 2015.

Dr. Sohini Guha received the New India Fellowship, 2014-2015.

Prof. Sunil Choudhary received the Pearson Award 2015.

Prof. Sunil Choudhary received the Global South Award, International Political Science Association, 2014.

Research Projects

The Department completed the SAP-CAS-I Phase (2010 to 2015) this year on the thrust area, “Globalization, Justice and Democracy, with further focus on ‘Enclosing the Commons, Dividing Societies’”. The report has been submitted to the UGC and proposal for the next phase on the theme ‘Democracy, Norms and Institutions’ was prepared for transition into the next phase of the SPA programme.

Ongoing project: “Nyaya-The Global Justice Initiative”, a collaborative Major International Project, between the Universities of Delhi, Birmingham and Yale, for the period 2013-2015, funded by the British Council and administered through Birmingham University, is being coordinated by Prof. Ashok Acharya.

Inter Institutional Collaborations

University of Birmingham and Yale: Major International Project, “Nyaya-The Global Justice Initiative”, a collaborative research project between Universities of Delhi, Birmingham and Yale between 2013 to 2015

Leverhulme International Network on Continuity and Change in Indian Federalism: the project brings together University of Edinburgh, University of Nottingham, University of Burdwan, University of Bristol, University of Hyderabad, Central University of Haryana, Mahendergarh and the University of Delhi with a view to study the dynamics of centre-state relations in India since 1989.

U21 Teaching Module: The U21 teaching module on “Security and Development in South Asia” was organized in the University of Delhi from Feb. 2-6, 2015. The participating universities in this Universitas 21 module were the universities of Birmingham, Melbourne and Delhi with students from all three institutions.

Publications

Banerjee M, 2014, ‘Contemporary Conversations between Ayurveda and biomedicine: from reformulating Drugs to refashioning parameters’, in *Asian Medicine: Tradition and Modernity*, an international, peer-reviewed journal published by Brill, December.

Banerjee M, 2014, ‘Politics of Knowledge in the Debates on Toxicity in Ayurvedic Medicines: Recent Controversies Over Bhasmas’, in *Asian Medicine: Tradition and Modernity*, an international, peer-reviewed journal published by Brill in September.

Banerjee M, 2014, Support For Ayush In Public Health: At The Cost Of The Environment? *Social Development Report, Council for Social Development*, New Delhi in September.

Chakrabarty, B. (ed.) 2014, *Non-Violence: Challenges and Prospects*. Delhi: Oxford University Press.

Chakrabarty, B. 2014, *Left Radicalism in India*, London: Routledge.

Chakrabarty, B. 2014, *Coalition Politics in India*, (Oxford India Short Introduction Series), Delhi: Oxford University Press.

Chakrabarty, B. 2014, *Communism in India*. New York: Oxford University Press.

Choudhary, S. K. & Atal, Y. 2014, *Combating Corruption: The Indian case*, Hyderabad: Orient Blackswan.[ISBN 978-81-250-5233-3]

Guha S, 2014, The Politics of Low Caste Empowerment in North India : Notes on the State/Society Distinction.” Occasional Paper 180, *Centre for Studies in Social Sciences*, Calcutta, March.

Singh S 2014, ‘Decentralizing Water Services in India: The Politics of Institutional Reforms, *Asian Survey*, Vol 54, No 4, University of California Press, July-August.

Singh U K 2014, ‘The Judicial Nineties: Of Truth, Power and ‘Entire State of Captivity’ in Mayur Suresh and Arvind Narrain (eds.) *The Shifting Scales of Justice: The Supreme Court in the Judicial Nineties*, Orient Blackswan, Delhi, 2014.[9788125054320]

Conferences Organized

International Seminar on ‘Global Justice and the Global South’ April 25-27, 2014: The Department of Political Science in partnership with the School of Open Learning, University of Delhi, the Macmillan Global Justice Program, Yale University & Centre for the Study of Global Ethics, University of Birmingham hosted the conference. The conference was made possible by the support of a UKIERI Grant from the British Council and the UGC CAS-SAP programme.

ICSSR sponsored National Seminar on ‘The Future of India’s Democracy: Social, Economic and Political Aspects’ 30-31 January 2015: The Department of Political Science, University of Delhi hosted a two-day national seminar on 30-31 January 2015, with the objective of bringing together scholars in the country and teachers in Delhi University colleges to deliberate on them.

CAS SAP sponsored ‘Panel Discussion on Sumit Sarkar’s Modern Times’, 18th February 2015: the Department organized a seminar which was a critical engagement with the work of the veteran historian Sumit Sarkar. The Seminar had the presence of Prof. Sumit Sarkar himself along with other noted social scientists both from the discipline of Political Science and History.

ICSSR sponsored national seminar on ‘Power, Culture and Marginality in India’ 16th-17th March 2015: It attempted to reflect on the historical processes that play an important role in marginalizing people or community, and how inadvertently the very processes generate cultural and political consciousness in the margins.

Conferences Attended

Chowdhary, N. “The Politics of Camps: A Site of Contestation and Accommodation”, paper presented in 55th Annual Convention of International Studies Association, Toronto, March 26 -29, 2014.

Saxena, R. Leverhulme International Network on Continuity and Change in Indian Federalism: the project brings together University of Edinburgh, University of Nottingham, University of Burdwan, University of Bristol, University of Hyderabad, Central University of Haryana, Mahendergarh and the University of Delhi with a view to study the dynamics of centre-state relations in India since 1989, May 2014.

Singh, S. ‘Capacity Development for Disaster Risk Reduction and Climate Change Adaptation in Myanmar’ at Government of Myanmar and UNDP Workshop on Meeting Challenges of DRR & CCA, 28-29 August, 2014, Naypyitaw, Myanmar.

Singh, U. K. ‘Draconian’ and ‘Humane’ Laws: Security Regimes and Human Rights Discourse in India, paper presented at an international conference on The Emergence, Reproduction and Hegemonisation of and by Human Rights Regimes – Interdisciplinary Perspectives organized by German-South-East Asian Centre of Excellence in Public Policy and Good Governance, Faculty of Law, Thammasat University, Bangkok, 28-29 December, 2014.

Sukumar, N. “Education for Dalits: Betwixt Emancipation and Stigma”, Paper presented in Higher Education in Transition: Perspectives from India and China, Organized by the Institute of Chinese Studies, Delhi Sponsored and supported by the Indian Council of Social Science Research and the India International Centre, Feb 27th -28th, 2015.

Number of Ph.D./M.Phil Degrees Awarded

Ph.D. : 13
M.Phil : 19

Faculty Strength : Permanent - 18 ; Ad-hoc : 12

Number of National Journals subscribed: Journals are subscribed through centralized Delhi University Library System

Number of international journals subscribed: Journals are subscribed through centralized Delhi University Library System

SOCIAL WORK

Activities and Achievements

The Department has emerged as an institution building close linkages with civil society organizations, government as well as peoples; movements across India. It has not only been able to develop a network with them but also enjoys immense trust vis a vis each of them. It is in this background that the Department plans to:

1. Emerge as a Resource Centre for upcoming Schools of Social Work in helping them achieve standardization and uniformity in the curriculum and pedagogy.
2. Become a lead institution by establishing three new centres: Centre for Community Engagement and Development Practice (CCED), Centre for Differently abled and Older Persons (CDPO) and Centre for Corporate Social Responsibility (CCSR).
3. Continuously provide technical guidance and management skills to Non-governmental organisations in ecology and disaster management, community participation, elderly care and gender through a network of sub centres for the purpose.
4. Develop its extension project UDAI as model in the field of Disaster management.
5. Collaborate with national and international professional organizations for growth of Professional social work.

Honours/Distinctions

Department has secured 2nd Rank in best social work institute in India as per the Outlook survey.

Department has got best gardening award for 2014-15

Research Projects

Sustainable Development of Mountain Communities: A participatory approach- enhancing livelihoods, food security and capacity development for disaster preparedness and response. Sponsored by ICSSR. Duration: 24 months from January, 2014 onwards.

Using short stories and anecdotes as an andragogical approach in social work education. Funding: Delhi University Research Grant.

ICDS project Evaluation study on involvement of SHGs for providing supplementary Nutrition to Anganwadi Centres in the State of Delhi, funded by Department of Women and Child Development, Government of NCT of Delhi.

Poverty Reduction Measurement through CBR Interventions: A Base line Study. Funded by CBM, Australia.

India's Institutional and Structural Stigma Research: Abortion Stigma at Health Care Facility, IPAS, 2013-14.

Inter Institutional Collaboration

Department has national and International collaboration with premier social work institutes, like TISS Mumbai, Department of Social Work, Jamia Islamiya University, Aligarh University, M.S University Baroda, etc.

Publications

Anand, Meenu. (2014). *Corporal Punishment in Schools: Reflections from Delhi, India* Practice: Social Work in Action Volume 26 Number 4, University of Edinburgh. United Kingdom. Routledge.

Aganimitra, Neera. (2014). Fieldwork in Social Work Education, Socio Economic Perspectives (A Quarterly Referred Journal). Vol. 1, No. 3.

Bhaat, Sanjai and Pathare, Suresh. (2014). *Social Work Education and Practice Engagement*, ISBN: 9788175417571(HB), 9788175417953(PB), Shipra Publications, New Delhi.

Gaiguite, Nemthiann. (2014). Addressing Issues of Malnutrition in Children through Public Nutrition using Local Resources of Agriculture and Land Use: Evidence from the Field Based Evaluation Study in Uttar Pradesh” in *Indian Journal of Community Health*, Vol. 26, Supp. 02.

Gogoi, M. Social Work and Human Animal Conflict: Opportunities for Interdisciplinary Practice, in Sanjai Bhatt and Neera Agnimitra (Eds.), *Social Work Response to Environment and Disasters*. Shipra Publication: Delhi

Jha, Manoj. (2014). Living Together Separately: Ritualised Riots And The Disparaged Others’ in Benjamin, Joseph (Ed.) *Violence and Terror: Siamese Twins*. Gyan Publishing House

Kaushik, Archana (2014). Gender Differentiation in the Portrayal of the Elderly in Indian Media: Discussion Note. *Indian Journal of Social Work*, Volume 75, Issue 2.

Malathi, A. (2015). *Feminist Perspectives in Educational Research*- published. Rajat Publications, New Delhi ISBN 978-81-7880-686-

Maske, Sudhir. (2015). Issues and Challenges in Implementation of MGNREGA: A Case Study from Maharashtra. *Indian Journal of Sustainable Development*, ISSN- 2394-7675, Vol-1, Issue-1, PP. 32-38.

Sharma, Seema. (2014) “*Mobile Health Services through Corporate Social Responsibility*” in *Journal of Development Management and Communication*, Vol 1 No. 3 .ISSN 2348-7739

Conferences Organized

Organized Rashtriya Ekta Diwas on (31st October 2014)

Day-long Symposium on Pandit Jawaharlal Nehru (23rd November, 2014) Programme Theme: Remembering Nehru- State, Society and the Citizens’ Engagements: Jawaharlal Nehru and the Idea of Liberal Democratic India.

Organized five guest lectures on different themes in research colloquium event.

Organized 4th Access India Convention held on 13-14th February 2014 at Department of Social Work, University of Delhi. Sponsored by Sight Savers.

Conferences Attended

Participated in the *Joint World Conference on Social Work, Education and Social Development 2014*, organized by International Schools of Social Work, International Federation of Social Workers, International Council on Social Welfare, held at Melbourne, Australia from 9th to 12th July, 2014.

One Day Workshop on Gender Discrimination at Workplace for National Thermal Power Corporation, Auraiya, Uttar Pradesh, November 12, 2014.

Soft Skills Development Training for Executive Police of Kashmir Zone (J&K)', Training planned and organized for Office of IGP, Kashmir Zone, 17th-21st February, 2014.

'Gender Sensitization at Workplace', Training Programme planned and organized for Delhi Metro supervisory staff along with Women Studies and Development Centre, DU, Delhi Metro Training Centre, Delhi Office, September, 2014.

Number of Ph.D Awarded

Ph.D. : 4

Faculty Strength: Permanent: 7

Number of National journals subscribed (Online + Paperback version) : 80

SOCIOLOGY

Activities and achievements

Faculty members made significant contributions to the discipline and published in various national and international journals. Faculty members also participated actively in conferences and organized several lectures and conferences in the Department.

Honours/Distinctions

Prof. Rajni Palriwala held the ICCR Chair in Contemporary India, Sciences PO, Paris, (August-December 2014).

Research Projects

Aphun, Kamei., ICSSR, New Delhi Sponsored Research Project (Major Project) on "State, Ethnicity and Development: A Study OF Ethnic Assertions, Conflicts and Movements in North East India" for two years i.e. 30 March 2013 to 30 March 2015.

Chopra, Radhika., P.I., University of Delhi and University of Bergen Research Project: "Indian Cosmopolitan Alternatives: Ritual Intersections and the Proscription of Religious Offense".

Dasgupta, Abhijit., ICSSR sponsored Research Project on 'Muslim Outcastes in West Bengal', for the period 1 April 2013 to 31 March 2015.

Patel, Tulsi., Frontline Health Workers in Rajasthan.

Publications

Abraham, Janki (2014) "Contingent Caste Endogamy and Patriarchy: Lessons for Our Understanding of Caste". Economic & Political Weekly January 11, vol. xlix, No.2, pp. 56-65.

Abraham, Janki (2013) "'Why Did You Send Me Like This?': Marriage, Matriline and the 'Providing Husband' in North Kerala, India' in *Marrying in South Asia: Shifting Concepts, Changing Practices in a Globalising World*, edited by Ravinder Kaur and Rajni Palriwala. New Delhi: Orient Blackswan. pp. 293-310.

- Agarwal, Anuja (2014) "Situating Marriage Payments: Bride-price and Dowry Among the Bedias of North India", in *Contributions to Indian Sociology*, June 2014, 48 (2).
- Aphun, Kamei (2014) "The Ethno-Genesis of the Ruangmei Nagas: A Study of Identity", *Hundred Years With Christ (1914-2014)*, RNBACC Centenary Publications, Imphal, December 2014.
- Arif, Yasmeen (2015) "The Audacity of Method". *Economic and Political Weekly (Special Article)* Vol. L (1): (January).
- Arif, Yasmeen (2015) "Communitas and Recovered Life". In Roma Chatterji (ed.) *Wording the World: Veena Das and the Scenes of Inheritance*. New York: Fordham University Press.
- Brara, Rita (2015) "Punjabi Inscriptions of Kinship and Marriage". In R. Chatterji ed. *Wording the World: Veena Das and Scenes of Inheritance*. New York: Fordham .
- Brara, Rita (2014) "Shaping Land Rights: Tenurial Class, Lineage and Gender in Malerkotla, India", in *Asian Journal of Women's Studies* 20 No. 4.
- Chatterji, Roma (2015) "The Mirror as Frame. Time and Narrative in the Folk Art of Bengal." In Roma Chatterji ed. *Wording the World. Veena Das and Scenes of Inheritance*. New York: Fordham University Press, 2015.
- Chatterji, Roma (2015) "Conversations, Generations, Genres: Anthropological Knowing as a Form of Life." In Roma Chatterji ed. *Wording the World. Veena Das and Scenes of Inheritance*. New York: Fordham University Press, 2015.
- Chatterji, Roma (2015) (co-authored with Ein lall) "Word, Image and Movement. Translating Pain." In Roma Chatterji ed. *Wording the World. Veena Das and Scenes of Inheritance*. New York: Fordham University Press, 2015.
- Chatterji, Roma (2014) "Event, Image, Affect: The Tsunami in the Folk Art of Bengal." In Ratiba Hadj-Mussa and Michael Nijhawan eds. *Suffering, Art, and Aesthetics*. New York: Palgrave Macmillan, 2014.
- Chatterji, Roma (2014) "Secularism, Syncreticism and the Folk Voice." In Sabyasachi Bhattacharya ed. *Rethinking the Cultural Unity of India*. Kolkata: Ramakrishna Mission Institute of Culture, 2014.
- Chopra, Radhika (2015) "Ziddi Mundeh: Political Asylum, Transnational Movement and the Migrations of Men", in
- Chopra, Radhika , S Irudaya Rajan, V J Varghese and Aswini Kumar Nanda (eds.) *Migrations, Mobility and Multiple Affiliations: Punjabis in a Transnational World*, Cambridge and New Delhi, Cambridge University Press, 2015, pp. 133-155.
- Deshpande, Satish (2014) *Samkaleeka India: Oru Samoohasastra Veekshanam*, Malayalam translation of *Contemporary India: A Sociological View*, translated by Dr. J. Devika, Kerala Sastra Sahitya Parishath, Trishur, 2014.
- Deshpande, Satish (2014) *The Problem of Caste*, (edited volume of essays from the *Economic and Political Weekly*), Orient Blackswan, New Delhi and Hyderabad, 2014.
- Deshpande, Satish (2014) "Chunav aur Hamara Vivek" (Interview in Hindi, with Kamal Nayan Choubey), in *Pratiman*, v.2, n.1, Jan-June 2014, pp. 47-60.

Deshpande, Satish (2014) 'Learning to Read Society', (Introduction to the Malayalam edition of *Contemporary India*), in Satish Deshpande, *Samakalika India: Oru Samoohasasthra Veekshanam*, tr. by J. Devika, Kerala Sasthra Sahithya Parishath, Thrissur, 2014, pp.7-12.

Deshpande, Satish (2014) 'Introduction: Caste Concerns in the Contemporary Social Sciences: Six Decades of Writings in the *Economic and Political Weekly*', in Satish Deshpande (ed.), *The Problem of Caste*, Orient Blackswan, Hyderabad 2014, pp. 1-21.

Sundar, Nandini (2014) *Civil Wars in South Asia: State, Sovereignty, Development* (co-edited with Aparna Sundar), New Delhi, Sage Publications, 2014.

Patel, Tulsi (2015) (with Kristensen, M., Reddy, S. and Nielsen, B B.) "Informed Consent in Medical Decision-Making in Commercial Gestational Surrogacy: A Mixed Methods Study in New Delhi, India" *AOGS, ACTA Obstetrica et Gynecologia Scandinavica*, DOI: 1111/aogs.12576: 1-8.

Patel, Tulsi (2014) "Marriage and Girls in a Changing India", *Girls Count*, 3(4): 9.

Thapan, Meenakshi (2014) *Ethnographies of Schooling in Contemporary India*. New Delhi, London, Los Angeles, SAGE Publications (edited volume).

Thapan, Meenakshi (2014) Introduction: "Understanding School Experience", In Meenakshi Thapan (ed.) *Ethnographies of Schooling in Contemporary India*. New Delhi, SAGE Publications (May, 2014).

Thapan, Meenakshi (2014) "Schooling, Identity and Citizenship Education", In Meenakshi Thapan (ed.) *Ethnographies of Schooling in Contemporary India*. New Delhi, SAGE Publications (May, 2014).

Thapan, Meenakshi (2014) (with Tanya Matthan and Chandana Anusha) "Being Muslims, Becoming Citizens: A Muslim Girls' School in Post-riot Ahmedabad", in Meenakshi Thapan (ed.) *Ethnographies of Schooling in Contemporary India*. New Delhi, SAGE Publications (May, 2014).

Thapan, Meenakshi (2014) "School Experience: An Autobiographical Approach", In Meenakshi Thapan (ed.) *Ethnographies of Schooling in Contemporary India*. New Delhi, SAGE Publications (May, 2014).

Thapan, Meenakshi (2014) (with Anshu Singh and Nidhitha Sreekumar) "Women's Mobility and Migration: Muslim Women Migrants in Jamia Nagar, Delhi", in *Economic and Political Weekly*, 7 June 2014.

Conferences Organized/Attended

Two Research Scholars Workshop (RSW) for M.Phil. and Ph.D. students were held on 30-31 October 2014, and 26-27 March 2015.

A two day "Environment and Climate Change: Framing Vulnerabilities" workshop was held on 22-23 January 2015.

A one day workshop was held on 29 August 2014, where presentations were made by M.A. (Final) students of the Department on their research undertaken in June-July 2014, at the schools of the KFI, with the Shivlal Sawhney Scholarship (SSS).

As part of the University of Delhi - University of Bergen Project titled "*Indian Cosmopolitan Alternatives: Ritual Intersections and the Proscription of Religious Offense*," a workshop titled

Memory, History, and Representation was organized on 18 February 2015 at the Department of Sociology.

To celebrate the inauguration of the North-East Studies Programme, the department hosted a one-day workshop on 'North-East India Today: Some Reflections' on 12 March 2015.

Number of Ph.D./M.Phil. Degrees Awarded

Ph.D. : 02
M.Phil. : 27

Faculty Strength: Permanent - 15; Ad-hoc - 03; Guest Faculty - 03

Number of national journals subscribed (online + paper back version) : 10

Number of international journals subscribed (online + paper back version) : 107

FACULTY OF MATHEMATICAL SCIENCES

COMPUTER SCIENCE

Activities and Achievements

The Department is running two Master Degree Programmes - MCA & M.Sc. Computer Science. The areas of research are Artificial Intelligence, Parallel Computing, Databases, Data Mining, Software Engineering, Computer Graphics, Networking, Web Technologies, Information Security, Algorithms and Bioinformatics. At present the department has about 50 Ph.D. students working in their respective areas.

Research grants/other projects

Title/Description	: Trustworthy Pro-active Recommender System
Principal Investigator	: Dr. Punam Bedi
Sponsoring organization	: University Grants Commission
Research Grant	: Rs. 13,38,800/-
Period	: 2013-2016
Status	: Ongoing
Title/Description	: Soft Computing Approach to Multi-Criteria Optimization Models for Component Selection in Designing Fault Tolerant Software Systems
Principal Investigator	: Dr. Punam Bedi, Joint Principal Investigator Department of Computer Science along with Dr. P.C. Jha Principal Investigator Department of Operational Research, University of Delhi
Sponsoring organization	: DST (DU-DST PURSE grant)

Research Grant : Rs. 6,12,000/-
Period : 2014-2018
Status : Ongoing

Inter-institutional collaborations: Aizu (Japan), Epitech (France) and DRDO (Delhi)

Publications: 20

Conferences Organized/Attended

Third International Conference on Big Data Analytics (BDA) 2014

Number of Ph.D. Degrees Awarded

Ph.D. : 09

Faculty Strength: Permanent - 6; Ad hoc - 3

Number of national journals subscribed (online+ paper back version): Subscribed by CSL

Number of international journals subscribed (online+ paper back version): Subscribed by CSL

MATHEMATICS

Activites and Achievements

The Department was sanctioned DST-PURSE grant of Rs. 11.3 lacs per year for a period of 5 years from 2014 to 2019.

The Department's computer lab was upgraded with 22 new desktop computers.

Honours/Distinctions

International:

Prof. Dinesh Singh has been conferred with Honorary Doctorates by the University of Edinburgh for his inspirational leadership of University of Delhi.

Prof. Dinesh Singh has been conferred with Honorary Doctorates by National University of Ireland Cork for "Academic prowess in the discipline of mathematics and leadership in transforming higher education as a potent force for human development through broad range of innovative and creative incentives"

Prof. Dinesh Singh has been conferred with Honorary Doctorate by University of Houston, Houston, Texas U.S.A.

Prof. B. K. Dass was NANUM 2014 & ICM 2014 Ambassador for South and West Asia Including the Indian subcontinent.

National:

Prof. Dinesh Singh, is recognized for his “distinguished service” to the field of education and has been awarded the Padma Shri 2014.

Prof. Dinesh Singh has been conferred with Honorary Doctorates by National Institute of Technology, Kurukshetra, for his “Outstanding contributions to the field of Mathematics, Legendary academic record and Research attainments”.

Prof. B. K. Dass was Honored with Life Time Achievement Award by the Indian Association for Reliability and Statistics for “Research contribution in the areas of Coding Theory, Information Theory, Cryptography, Applied Algebra and Discrete Mathematics and also for the administrative experiences as a chairman/ member of various committees for setting up centres of Mathematical Sciences in Indian academic institutions”.

Prof. B.K. Dass is Chairman of the new initiative of DST: Human Resource Development in Mathematics.

Prof. B.K. Dass was Elected President, Forum for Interdisciplinary Mathematics.

Prof. Ajay Kumar was the Sectional President for Mathematical Sciences, Indian Science Congress , 2014-15.

Prof. Tarun Das was appointed as The Registrar, University of Delhi, Delhi, 2014.

Research Projects

Dr. Sachi Srivastava, *Semigroups on non-commutative L_p spaces*, SERB-DST Fast Track Fellowship, 2014-17, 12 lacs.

Dr. Sachin Kumar, *Study for solving the Nonlinear Partial Differential Equations by Similarity Transformations Method*, Funded by the UGC-BSR Start-Up Grant. Duration of the project: 2 years, Estimates cost of Project: 6 lacs.

14 faculty members of the Department have R&D grant of the University of Delhi worth more than 18 lacs.

Inter Institutional Collaboration

S. Gupta, G. Kalucha, J. Shabbir and B. K. Dass, *Estimation of Finite Population Mean Using Optional RRT Models in the Presence of Non-Sensitive Auxiliary Information*, American J. Mathematical and Management Sciences, 33 (2014), 147-159. (Department of Mathematics and Statistics, The University of North Carolina, Greensboro, U.S.A.)

Vandana Rajpal, Ajay Kumar and Takashi Itoh *Schur tensor product of operator spaces*, Forum Mathematicum, DOI:10.1515/forum-2013-0142, July 2014. (Department of Mathematics, University of Gunma, Gunma, Japan).

Tarun Das, Ekta Shah and L'ubomir Snoha, *(Non-)expansivity in functional envelopes*. *J. Math. Anal. Appl.* 410 (2014), no. 2, 1043–1048. (Department of Mathematics, Faculty of Natural Sciences, Matej Bel University, Tajovského 40, 974 01 Banská Bystrica, Slovakia).

Om P. Ahuja, Sumit Nagpal and V. Ravichandran, *Radius constants for functions with the prescribed coefficient bounds*. *Abstr. Appl. Anal.* 2014, Art. ID 454152, 12 pp. (Department of Mathematics, Kent State University, Burton, OH 44021)

C. Charita, J. Dutta and C.S. Lalitha, *Gap functions for vector variational inequalities*, Optimization. 64 (7) (2015) 1499-1520. (Institut fuer Numerische und Angewandte Mathematik, Universitaet Goettingen, Goettingen, Germany and Department of Economics, Indian Institute of Technology, Kanpur, India.)

Publications

Number of publications in International Journals: 53

Number of publications in National Journals: 02

Niteesh Sahni, Dinesh Singh, *Multiplication by monomials on BMOA*. Houston J. Math., 40 (2014), no. 3, 875-883.

Ranjana Jain, Ajay Kumar, *The operator space projective tensor product: embedding into the second dual and ideal structure*. Proc. Edinb. Math. Soc., (2), 57 (2014), no. 2, 505-519.

Mukund Madhav Mishra, Ajay Kumar, Shivani Dubey, Green's function for certain domains in the Heisenberg group H_n Boundary Value Problems 2014, 2014:182, 16PP (Springer Verlag).

Ajay Kumar, Vandana Rajpal, *-regularity of operator space projective tensor product of C-algebras*, J. Appl. Funct. Anal. 9 (2014), no. 1-2, 70-80.

R. K. Mohanty, N. Setia, *A new compact off-step discretization for the system of 2D quasi-linear elliptic equations on unequal mesh*, Comput. Math. Model. 25 (2014), no. 3, 381-403.

See Keong Lee, V. Ravichandran, Shamani Supramaniam, *Initial coefficients of biunivalent functions*, Abstr. Appl. Anal., (2014), Art. ID 640856, 6 pp.

Prashanto Chatterjee, C. S. Lalitha, *Scalarization of Levitin-Polyak well-posedness in vector optimization problems using weak efficiency*, Optimization Letters, 9 (2015), no. 2, 329-343.

Dhaval Thakkar, Ruchi Das, *On nonautonomous discrete dynamical systems*, Int. J. Anal. 2014, Art. ID 538691, 6 pp.

Geetika Khattar, L. K. Vashisht, *The reconstruction property in Banach spaces generated by matrices*, Adv. Pure Appl. Math., 5 (2014), no. 3, 151-160.

Surendra Kumar, N. Sukavanam, *Controllability of semilinear systems with fixed delay in control*, Opuscula Math., 35 (2015), no. 1, 71-83.

J. Jena, R. Singh, *Existence of self-similar solutions in a reacting gases*, Shock Waves, 24 (2014), 211-218.

Conferences Organized

International Workshop on *Geometry, Arithmetic and Analysis on Hyperbolic Spaces* (GAAHS), December 10-15, 2014 supported by NBHM.

Research Scholars Seminar during February 23-24, 2015.

Conferences Attended

International

Professor B. K. Das delivered an invited talk at the International Conference on "Advances in

Interdisciplinary Statistics and Combinatorics (AISC-2014) held at The University of North Carolina- Greensboro, U.S.A. during October 10-12, 2014.

C. S. Lalitha chaired a session and delivered a lecture on *Approximate Solutions in Set-Valued Optimization*, International Conference on Operational Research in conjunction with 47th Convention of Annual Operational Research Society of India held at Tirupati, December 1-3, 2014.

National

Prof. Ajay Kumar delivered presidential address in Mathematical Sciences section of Indian Science Congress, Mumbai, Jan 4-7, 2015 on "Grothendieck Inequality".

Prof. V. Ravichandran was Convenor and speaker, *Symposium on Complex Function Theory*, 29th Annual Conference of the RMS, 23-27 June 2014.

Dr. C. S. Lalitha gave A lecture on *Solution Concepts in Vector and Set Optimization*, in the Workshop on Applied Optimization Models and Computation, Indian Statistical Institute, Delhi during January 28-30, 2015.

Dr. Lalit Kumar Delivered a talk on "*Extension of Bessel Systems to Frames in $L_2(R)$* " in Conference on Geometry of Banach spaces and Operator Theory (GBOT) at IIT Kanpur during 26 - 29 March, 2015.

Dr. Ranjana Jain Delivered an invited talk at Indian Science Congress, Mumbai, January 4-7, 2015.

Dr. Randheer Singh, participated and presented a paper on "*Propagation of weak shock waves in non-uniform mixtures of two gases*" in 59th congress of Indian Society of Theoretical and Applied Mechanics (ISTAM), December 17-20, 2014, held at Alliance University, Bangalore, India.

Number of Ph.D./M.Phil Degrees Awarded

Ph.D : 16

M.Phil : 12

Faculty Strength: Permanent: 25

Other Significant Information

The Department has its own placement cell called Ananya- The Placement Cell. The Cell has its own website <http://placement.maths.du.ac.in/>. It has been created for the placements of students pursuing M.A./M.Sc. in Mathematics from the University of Delhi. The Placement Cell provides a platform for the students to meet and interact with corporate organizations and business houses. Since its inception in 2012 more than 30 students have been placed.

OPERATIONAL RESEARCH

Activities and Achievements

Students conducted a donation camp to collect funds for Kashmir Flood affected persons.

Honours/Distinctions

Certificate of Excellence was awarded to Prof. Chandra K. Jaggi in 2nd Academic Brilliance Award 2014 by EET CRS, Research wing for excellence in Professional Education & Industry, Noida.

Research Projects

Sr. No.	Project Details	Funding Agency	Amount (Rs.)	PI / Co-PI
1	Two-Warehouse Problems for non-instantaneous Deteriorating items	R&D Doctoral Research Programme of University of Delhi (2014 – 2015).	1,00,000	Prof. Chandra K. Jaggi
2	DST-Purse Grant, Phase - II		25,00,000	Dr. Preeti Wanti Dr. Srivastava Dr. P.C. Jha Dr. Pankaj Gupta Dr. Ompal Singh)
3	Discrete Modeling Framework For Multi-Release Software Systems	R&D Doctoral Research Programme of University of Delhi (2014 – 2015).	1,00,000	Dr. Anu G. Aggarwal
4	Inventory Management of Imperfect Quality Deteriorating Items	R&D Doctoral Research Programme of University of Delhi (2014 – 2015).	1,00,000	Dr. Aditi Khanna
5	Hybrid multi-criteria optimization models for fuzzy portfolio selection	University Grants Commission, New Delhi under Faculty Research Promotion Schemes for the period February 2015-January 2017	6,00,000	Dr. Mukesh Kumar Mehlatw

Publications : 27

Jaggi Chandra K., Yadavalli, V. S. S., Verma, M., & Sharma, A. (2015). An EOQ model with allowable shortage under trade credit in different scenario. *Applied Mathematics and Computation*, Vol. 252, pp. 541-551 (Impact factor 1.6) (H Index: 83).

Bhunia A.K., Jaggi Chandra K., Sharma, A., & Sharma, R. (2014). A two-warehouse inventory model for deteriorating items under permissible delay in payment with partial backlogging. *Applied Mathematics and Computation*, Vol. 232, pp. 1125-1137 (Impact factor 1.600) (H Index: 83).

Jaggi Chandra K., Pareek, S., Khanna, Aditi., & Sharma, R. (2015). Two-warehouse inventory model for deteriorating items with price-sensitive demand and partially backlogged shortages under inflationary conditions. *International Journal of Industrial Engineering Computations*, Vol. 6, No. 1, pp. 59-80 (H Index: 8)

Jaggi Chandra K., Pareek, S., Khanna, Aditi., & Sharma, R. (2014), "Credit financing in a two-warehouse environment for deteriorating items with price-sensitive demand and fully backlogged shortages" *Applied Mathematical Modelling*, Vol. 38, Issue 21-22, pp. 5315-5333 (Impact factor 2.158) (H Index: 46)

Srivastava, P.W. and Sharma, D. (2015). "Optimum time-censored simple ramp-stress accelerated life test sampling plan for the log- logistic distribution" *Journal of Quality in Maintenance Engineering*. Vol. 21(1), 112 - 132, ISSN: 1355-2511.

Srivastava, P.W. and Sharma, D. (2014). Bilevel Programming Based Step-Stress paltspwith Warranty Cost using Tampered Failure Rate Model. *International Journal of Reliability, Quality and Safety Engineering*. Vol. 21(5) 1450022, 23 pages

P.K. Kapur, Anu G Aggarwal, Amir Hossain and Abhishek Tandon," Multi-Generational Innovation Diffusion Modelling: A Two Dimensional Approach", *International Journal of Applied Management Science*, Vol. 7, No. 1, pp.1 – 18, 2015 .

Kapur P. K., Anu G. Aggarwal & Nijhawan N., "A Discrete SRGM for Multi-Release Software Systems, *International Journal of Industrial and Systems Engineering*, Vol. 16(2), pp. 143-155, 2014.

Mehlawat, M. K., & Gupta, P. (2015). Multiobjective credibilistic model for COTS products selection of modular software systems under uncertainty. *Applied Intelligence*, 42(2), 353-368 (Springer) (2012 SCI Impact Factor: 1.853, SNIP: 1.972, SJR: 1.021, H Index: 37).

Mehlawat, M. K., & Gupta, P. (2014). Fuzzy chance-constrained multiobjective portfolio selection model. *IEEE Transactions on Fuzzy Systems*, 22(3), 653-671 (IEEE Computational Intelligence Society) (2013 SCI Impact Factor: 6.306, SNIP: 4.443, SJR: 3.590, H Index: 119).

Conferences Organized/Attended

Prof. Chandra K. Jaggi delivered an Invited Talk on, "Pricing and Credit decisions for Non-Instantaneous Deteriorating items in a Two Warehouse Environment" in the 5th National Conference on Statistical Inference, Sampling Techniques and Related Areas held at Aligarh Muslim University, Aligarh (U.P), India, held during March 24-25, 2015.

Dr. Preeti Wanti Srivastava delivered an Invited talk on "Optimum Time-Censored Accelerated Life Tests with Time-Varying Stresses for One Test Chamber" in technical session on the "Reliability Theory and its Applications" at the International Statistics Conference (ISC) 2014 organized by Institute of Applied Statistics Sri Lanka (IASSL) held in Colombo, Sri Lanka from December 28-30, 2014.

Dr. Anu G. Aggarwal participated and chaired one session in International Conference on Evidence based Management held in BITS, Pilani, during March 20-21, 2015.

Dr. Aditi Khanna attended and presented a paper titled "Pricing and Credit decisions for Non-Instantaneous Deteriorating items in a Two Warehouse Environment" in the V National Conference on Statistical Inference, Sampling Techniques and Related Areas held at Aligarh Muslim University, Aligarh, India, held during 24-25 March, 2015.

Dr. Mukesh Kumar Mehlawat delivered an invited talk in the International Conference on Optimization, Computing and Business Analysis for Sustainable Development, Central University of Rajasthan, Ajmer, February 20-22, 2015

Number of Ph.D./M. Phil.Degrees Awarded

Ph. D. : 4

M. Phil. : 8

Faculty Strength: Permanent - 12; Ad hoc- 1

Number of international national journals subscribed (online + paperback version): 25

STATISTICS

Activities and Achievements

The Department of Statistics is involved in carrying out research and teaching in diverse fields of Statistics. It has used the power of Statistics and knowledge of computers to contribute significantly in the area of research. The main thrust of the Department is to conduct basic and applied research and to develop trained manpower in the discipline of Statistics. The Department conducts three degree-oriented programmes, viz. M.A./ M. Sc. Statistics, M. Phil. and Ph.D. with a syllabus that incorporates emerging and core areas in different fields of Statistics. The Department has two well equipped fully computerized laboratories with latest computing facilities to the students and researchers. The Department organized special invited talks by eminent persons from India and abroad. Distinguished Professors visited the Department to deliver research talks and interact with the faculty and students. The Department has achieved a great success in suitable placement of students in reputed national and international companies/organizations.

Publications: 2

Singh, P., Thapliyal, P. and Budhreja, V. (2014). Construction of fractional factorial designs with some linear trend free effects through finite fields, *Journal of Combinatorics, Information and System Sciences*, 39 (1), 57-76. ISSN: 0250-9628.

Number of Ph.D./M. Phil. Degrees Awarded

Ph.D.	:	2
M. Phil.	:	7

Faculty Strength: Permanent -5; Ad hoc -4

FACULTY OF MANAGEMENT STUDIES

BUSINESS MANAGEMENT AND INDUSTRIAL ADMINISTRATION

Activities and Achievements

Faculty of Management Studies (FMS), University of Delhi came into existence in 1954 as a part of the Department of Economics. It became full-fledged faculty thereafter and was the first institute in the country to start a formal Degree Programme in Management Education. Its flagship Programme, MBA (Full-Time) was started in the year 1967. FMS has consistently been ranked as one of the top five Business Schools in the country. Today, FMS offers numerous Programmes of Management Education which include MBA (Full Time), MBA (Executive), MBA (Executive)-Health Care Administration, and Ph.D. in Management.

Hon'ble Supreme Court entrusted Faculty of Management Studies with an assignment related to evaluation of the website of the Ministry of Women and Child Development, Government of India, viz. www.trackthemissingchild.gov.in relating to the missing children. Hon'ble Supreme Court commended and appreciated the excellent work done by the Faculty of Management Studies team. FMS also conducted large number of Management Development Programmes for various organizations.

Honours/Distinctions

Dr. Mala Sinha awarded ‘Highly Commended Theoretical Paper’ for Nature and Impact of Strategic Corporate Communication in Indian Service Sector Organizations. Perveen & Mala Sinha (2014) at CCI Conference on Corporate Communication. June 3-6, 2014, at Hong Kong Polytechnic University, Kowloon Hong Kong.

Dr. Tanuja Agarwala nominated to the National Quality Assurance Committee for AEFI Surveillance Programme by Ministry of Health & Family Welfare, GOI, Immunization Division to develop & implement a quality management system for AEFI Surveillance programme. (10.07.2014) Tenure: Three years.

Recipient of the Outstanding Woman Educator & Scholar Award on the occasion of Women’s Day (2015) from National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamilnadu, India, 8th March 2015.

Research Projects

Major Project sanctioned by University Grants Commission, New Delhi on “Interest Rate Risk and Asset Liability Management of Banks in India: An Empirical Study” February, 2011. Final Project Completed and Submitted in 2014.

Project sanctioned by Indian Council of Social Science and Research (ICSSR), New Delhi on “Foreign Exchange Exposure Management Practices of Indian Firms: An Empirical Analysis, March, 2011. Final Project Completed and Submitted in 2014.

Prof. Sunil Sharma co-investigator in a Major Research Project on ‘Six Sigma in Services’ approved by UGC.(March,2015).

Dr. Kavita Singh Measurement and Assessment of Bullying Behaviours in Departments and affiliated Colleges of University of Delhi sanctioned by University of Delhi.

Dr. D. Das Carried out a research project titled “An assessment of the impact of Sustainable Supply Chain Management Practices on Overall Organizational Performance: An Empirical Study” sponsored by ICSSR, New Delhi.

Dr. Amit Bardhan “Development of case study on History of Hyundai Motors India Ltd. (HMIL)” for HMIL.

Publications

Singla, M.L. and Apoorv Durga. “How Social Media Gives You Competitive Advantage”, in Indian Journal of Science and Technology, Vol 8(S4), 90–95, February 2015.

Singla, M.L. and A.K.Srivastava. “An exploratory study of ERP implementation in Government Sector in India”, UGC-SAP Sponsored National Seminar on Supply Chain Management in the Digital Age: Issues and Challenges, University Business School, Panjab University, Chandigarh. March 25, 2015.

Vij, Madhu & Dhawan, Swati, 'Financial Characteristics And Derivative Usage By Commercial Banks In India – Examining The Differences Between Users And Non Users' The International Research Journal of Economics and Business Studies, Vol 4, No(5), 2015, ISSN : 2251-1555.

Vij, Madhu ' Microfinance and Gender Equality – A Myth or a Reality.' Article in an edited book by Madhu Vij, Manjeet Bhatia, Shelly Pandey, (2014), Women's Studies in India – A Journey of 25 Years, Rawat Publications, New Delhi, 2014, ISBN 978-81-316-0634-6.

Venugopalan, T and Vij, Madhu (2014), ' Signaling Hypothesis, Asymmetric Information and Debt Maturity in Indian Corporate Sector' Asian Journal of Research in Banking and Finance Vol. 4, No. 3, March 2014, pp. 5-27. ISSN 2249-7323.

Sharma S. and Anupam, 'Agro-based Clusters: A tool for competitiveness of Indian Agriculture in the era of Globalisation,' Global Journal of Finance and Management., Volume 6, Number 8 (2014), pp. 713-718. ISSN 0975-6477.(National).

Sinha, Pankaj & Chandwani, Abhishek & Sinha, Tanmay. 2014. "Algorithm of construction of Optimum Portfolio of stocks using Genetic Algorithm" International Journal of System Assurance Engineering and Management, vol.6, 1-19 ISSN: 0975-6809.

Sinha, Pankaj & Mathur, Kritika, 2015. "Price, Return and Volatility Linkages of Base Metal Futures traded in India," *International Research Journal of Finance and Economics*, Issue 130. April 2015, 35-54, ISSN: 1450-2887.

Das, D. (2014). A performance evaluation framework of development projects: An empirical study of Constituency Development Fund (CDF) construction projects in Kenya. *International Journal of Project Management*. Vol. 32, Issue 3.

Das, D. and Chaudhary, R. (2015). Reverse Supply Chain Management in Consumer Electronics: An Indian Perspective. *International Journal of Logistics Systems & Management*. Vol. 20, No. 3.

Dr. Amit Bardhan Dangi, H. K., and Bardhan, A. K. (2014). Some critical success factors in planning humanitarian relief operations in India. *International Journal of Emergency Management*, 10(2), 103-121.

Dangi, H.K and Amit Bardhan (2014) Some Critical Success Factors in planning Humanitarian relief operations in India. *International Journal of Emergency Management* Vol. 10, No. 2 pp. 103-120

Conferences Organized/Attended

Vivek Suneja (2015), "The Cultural Determinants of Consumer Demand", Doctoral Workshop Week, Gujarat Technological University, Ahmedabad.

Dr. Kavita Singh attended a Conference and presented a Paper on Women in Corporate India: Androgyny as a Model of Management at Academy of World Business, Marketing & Management Development 2014 Conference held at Dubai, UAE from August 11-14, 2014.

Bhardwaj Neha, Vohra Anupama, "Customer Orientation- An Antecedent to Customer Loyalty" International Conference on Excellence in Research & Education, IIM, Indore, May, 2014.

Dr. Monica Singhania organized a track on “Public Service Delivery and Last Mile Challenges” at Ninth Annual International Conference on Public Policy and Management on Public Service Delivery organized by IIM Bangalore on August 11-13, 2014.

Mr. Narain “Behaviour of implied volatility in Indian market: An empirical study” at international conference “IX International Research Conference” held on 29th December, 2014 at Great Lakes Institute of Management, Chennai.

Number of Ph.D. Degrees Awarded

Ph. D. – 23

Faculty Strength: Permanent/Temporary/Ad-hoc: 26

Number of National journals subscribed (online + paper back version) : 36

Number of International journals subscribed (online + paper back version): 33

Other Significant Information

Prof. M.L. Singla 9th August, 2014 : Speaker at the Session - Directors’ Round Table on ‘Vision 2025’ at 5th Indian Management Conclave (IMC) 2014 at the India International Centre, New Delhi. Organized by MBA Universe.

12th August, 2014 : Panel member for the Tata Business Leadership Award 2014 at Hotel Taj Mahal Palace, Mumbai for the In-house Track. Theme “Driving Business Growth through Increase in Customer Centricity” on invitation of Tata Sons Ltd.

29th October, 2014 : Speaker at the Panel Discussion - 4th HT Campus Conclave on Education at Crowne Plaza, Gurgaon with the theme 'Meeting the Talent Demand'.

23-24th April, 2015 : Panel member for the Tata Innovista Finals National Awards 2015 at Hotel Taj Mahal Palace, Mumbai on invitation of Tata Quality Management Services.

29th May, 2015 : Speaker at the Panel Discussion – 2nd India Education Summit 2015 at The Grand, New Delhi. Organized by Business World.

Currently leading a team of experts to provide consultancy services to the Hon’ble Supreme Court of India.

Member of the Executive Committee of the ERNET India (An Autonomous Society under Department of Electronics and Information Technology, Ministry of Communications & Information Technology, Government of India)

Member of the Committee for Restructuring & Review of Administrative Cadres of CSIR, an autonomous organization under the Ministry of Science & Technology, Government of India.

Member of the Committee for Review of Guidelines for Indian Government Websites, Ministry of Personnel, Public Grievances and Pension, Government of India (e-Governance Division)

Prof. Sunil Sharma Member, Skill Development Committee for Material Management, Ministry of Labour, GoI

Dr. Mala Sinha invited Guest Lecture on ‘Appreciative Communication – Leadership Lessons from Mahabharata’ on , January 9th 2015 at Adani Ports, Hazira.

Vedic Ethos of Leadership – The Heroes from Mahabharata at 14th Vision Conclave of CEOs and Udaan members of the Indian Machine Tools Industry. 13-16 Nov 2014. At Vivanta. Taj Fisher man Cove Mahabhalipuram

‘Creativity in Communication; at Orientation program 77 on 15th July 2014, at Centre for Professional Development in Higher Education (CPDHE), ILLL building, University of Delhi

Research Methodology for Indigenous Concepts and traditional Knowledge Sources. for Doctoral Students on 21st March 2015, at GB Pant Social Science Institute. Allahabad.

Dr. H.K. Dangi nominated as member of Statistical Methods for Quality and Reliability Sectional Committee of BIS India.

FACULTY OF MEDICAL SCIENCES

ANATOMY (LHMC)

Activities and Achievements

Undergraduate teaching programme for MBBS Batch 2014-15 of 200 students of Delhi University; Post graduate teaching of MD (Anatomy) students of Delhi University; Teaching of B.Sc. nursing students; Teaching of Pre-Trauma Training Students; Post graduate research work; Research projects undertaken by the faculty members; Conduct of MBBS (Annual & Supplementary) and MD (Annual & Supplementary) examinations; Organization and participation in conferences, workshops, seminars, CMEs; Publication of research work by faculty members; Administrative institutional work as assigned; Representation as external examiner/expert bodies/member of various committees by faculty; State recognized embalming centre; Faculty of the department of anatomy organized three conferences and participated in number of national and international conferences.

Research Projects

Study of micro-nuclear cervical cytological abnormalities in women at high risk for cervical carcinoma. Sponsoring organization is Lady Harding Medical College, New Delhi- 110001

Histological age related changes in adult human liver. Sponsoring organization is Lady Harding Medical College, New Delhi- 110001.

Microanatomical and angiographic study of middle cerebral artery in adult Indian population. Sponsoring organization is Lady Harding Medical College, New Delhi- 110001.

Morphometric study of trachea, bronchi and their concomitant topographic relationship with pulmonary artery in adult human cadaveric lungs and CT imaging in patients of comparable age groups. Sponsoring organization is Lady Harding Medical College, New Delhi- 110001.

Histomorphometric study of subthalamic nucleus in adult human cadaveric brain and correlation with MR images of patients in comparable age groups. Sponsoring organization is Lady Harding Medical College, New Delhi- 110001.

Anthropometric study of human adults skeletons and their variations. Sponsoring organization is Lady Harding Medical College, New Delhi- 110001.

Inter Institutional Collaboration

Faculty of Department of Anatomy, LHMC organized a “Cadaveric workshop on acetabular fractures” DOACON 2014 under the aegis of Indian Orthopedic Association, Delhi chapter, at Department of Anatomy on 1st November, 2014.

Dr. Anita Tuli, Director professor and HOD, Anatomy delivered a guest lecture on “Anatomy of Acetabular fractures” at DOACON 2014 – Cadaveric workshop on acetabular fractures.

Publications

Jain P, Tuli A, Raheja S., Agarwal S. Morphological description of variations in the origin of long head of biceps brachii: An evolutionary and embryological interpretation. *International Medical Journal* (2014), volume 21:123-125.

Yadav Y., Tuli A., Kakar S., Choudhry R., Murari A. (2014). Geometric characterisation of cricoid cartilage in Indian population for biomechanical modelling. *European Journal of Academic essays* 1(5):22-28.

SB Joshi, P Vatsalaswamy, BH Bahetee. Variation in formation of superficial palmar arches with clinical implications. *Journal of Clinical and Diagnostic Research*. 2014 Apr, Vol-8(4): AC06-AC09.

Sheetal B. Joshi, Pradnya V. Garude, Amit Kale, B. H. Bahetee, Nutan D. Mandke, Ajay Chandanwale. Study of accessory soleus – An anatomical and clinical insight. *J of Evolution of Med and Dent Sci/2278-4748/ Vol. 3/ Issue 29/July 21, 2014.*

Pradnya Gurude, Sheetal Joshi, Amit Kale, Nutan Mandke, Bahetee BH, Ajay Chandanwale. Musculotendinous junction of soleus and its clinical correlation. *Scholars Journal of Applied Medical Sciences (SJAMS) ISSN 2320-6691 (Online) Sch. J. App. Med. Sci., 2014; 2(3D):1156-1158.*

Sanchita Ray, Avanish Gupta, Baljit Nanrah, Minakshi Verma, Ritaban Saha. Morphometric study of left coronary artery trunk in adult human cadavers: A study on eastern region population. *Journal Of Clinical & Diagnostic Research* 2014; Feb. Vol.8(2):7-9.

Perna Aggarwal, Dr. A Datta, Minakshi Verma: Histological study of medium sized arteries of neck in relation with their pulse pressure and pulsatory power. *Journal of evolution of medical and dental sciences* 2014 Dec Vol 3 issue 66:13670-13677.

Seema Singh, Neerja Rani, Parul Kaushal, Hitesh Kumar, T S Roy and A Shariff. Anomalous cutaneous branch of median nerve in arm: a report of anatomical variation with clinical implications. *Anatomy and cell biology* 2014 June; 47(2):138-40.

Rani P, Kaur R, Malhotra D, Dass P K, Sachdeva S, Kapoor R. Plasmacytoid myoepithelioma of the palate in an adolescent-A case report and review of literature. *Indian Journal of Dental Sciences*. June 2014 supplementary issue Vol 6 (2):55-57.

Malhotra D, Rani P, Dass P K, Kumar V, Kumar R. Management of oral squamous cell carcinoma with clinically negative neck — A case report and review of literature. *Indian Journal of Dental Sciences* October 2014, Vol 6 (4):144-146.

Anita Tuli, Manisha Hansda, Shashi Raheja, Asha Gandhi, Anupam Prakash. Vascular endothelial growth factor as a consequential marker in chronic obstructive pulmonary disease. *Annals of Anatomy* 2014, 196:101.

Shashi Raheja, Lalit Mehra, Sneha Agarwal, Kulwinder Kaur, Yashoda Rani, Anita Tuli. Morphological and surgical anatomy of coronary sinus, its tributaries and relation to the mitral valve annulus. *Annals of Anatomy* 2014; 196:85.

Conferences Organized

Organized a symposium on “Emotional intelligence” for Ist year MBBS on 7th October, 2014 at Department of Anatomy, Lady Hardinge Medical College, New Delhi- 110001. Dr. Anjana Sen was invited as speaker.

Conferences Attended

S. No.	Name & Designation of Participant	Role/Topic	Organizer	Name of Conference, Venue, Date
1	Dr. Anita Tuli	Presented a paper entitled “Vascular endothelial growth factor as a consequential marker in chronic obstructive pulmonary disease”	18 th congress of the International Federation of Association of Anatomists	IFAA-14, Beijing, China 8 th -10 th August, 2014
2	Dr. Shashi Raheja	Presented a paper entitled “Morphological and surgical anatomy of coronary sinus, its tributaries and relation to the mitral valve annulus”	18 th congress of the International Federation of Association of Anatomists	IFAA-14, Beijing, China 8 th -10 th August, 2014
3	Dr. Reeha Mahajan Dr. Reeha Mahajan	Attended CME on anterolateral approach to hip joint on 18 th Oct. 2014. Oral paper presentation entitled “Aberrant arterial anastomosis between kidney and paranephric fat vasculature” at 9 th Annual Conference of North States Chapter of ASI.	Departmentt. of Anatomy, Government Medical College and Hospital, Jammu Departmentt. of Anatomy, Government Medical College and Hospital, Jammu	Departmentt. of Anatomy, Government Medical College and Hospital, Jammu 18-19 th October, 2014 Departmentt. of Anatomy, Government Medical College and Hospital, Jammu 18-19 th October, 2014
4	Dr. P.K. Dass Dr. Manisha Hansda Dr. Lalit Mehra	Attended a workshop on “Laboratory techniques of cytogenetics and molecular genetics” as hands-on trainee	Department of Anatomy, Maulana Azad Medical College, New Delhi	Maulana Azad Medical College, New Delhi, 17-18 th Oct. 2014

5	Dr. Shipra Paul	Chair person	Anatomical Society of India	NATCON 62, Imphal, India, 20-24 Nov, 2014
6	Dr. Mangala Kohli	Chair person	Anatomical Society of India	NATCON 62, Imphal, India, 20-24 Nov, 2014

Faculty Strength: Permanent- 10

No. of National Journals Subscribed: 2 (Journal of ASI, Indian Journal of Human Genetics)

No. of International Journals Subscribed: 4 (Clinical Anatomy, Journal of Anatomy, Anatomy and Cell Biology, Cell Tissue Organ journal)

Other Significant Information

Department is running the following laboratories:

State recognized Embalming Centre; Fetal Repository for research and teaching; Establishing bone bank and Temporal bone lab (upcoming); Morphological Sciences lab; Molecular Biology lab; Neurobiology lab; Microanatomy lab; Cadaveric lab for surgical skills.

ANATOMY (UCMS)

Research Projects

Effect of 4-methylimidazole on liver in albino rats - A histomorphometric study. Dr. Suman, Dr. Sunita Kalra, Dr. Surbhi Wadhwa.

Effect of cypermethrin on testis in albino rats - A histomorphometric study: Dr. Renu Chauhan, Dr. Mahindra Nagar, Dr. Sonu.

Morphometric analysis of human atlas and axis vertebrae. Dr. Novelesh Bachchan, Dr. Renu Chauhan, Dr. Mahindra Nagar.

Effect of monosodium glutamate on bronchiolar wall of albino rats – A histomorphometric study. An ICMR short term project be done by Mr. Rahil Kumar under the supervision of Dr. Renu Chauhan.

Publications

Books: Chauhan R. Essentials of genetics. First Edition, Avichal Publishing Company, New Delhi, India. 2014.

Papers

Kumar A., Nagar M. Morphometry of the orbital region: Beauty if bought by judgement of the eyes. International Journal of Anatomical Research. 2014. 2(3):566-570.

Munglang M. and Nagar M. Effect of insecticide carbaryl on histomorphology of testis and fertility index. Journal of Environmental Science, Toxicology and Food Technology. 2014. Vol.8(10):1-5.

- Khandelwal. A., Rani P., Nagar M. Variations in the branching pattern of popliteal artery and its clinical implication: A cadaveric study. *International Journal of Current Research Revolution*. 2014. Vol 6(19), 10-13.
- Singh A., Nagar M. and Kumar A. Anthropometric study of the humerus in adults. *Journal of Medical and Health Sciences*. 2014. Vol 3(3), 77-82.
- Kumar A., Nagar M. Histomorphological study of testis in deltamethrin teated albino rats. 2014. Vol.1, 401-410.
- Kumar A., Nagar M. Human adult occipital condyles: A morphometric analysis. 2014. Vol.3(4), 112-116.
- Dixit S., Rani P., Anand A., Khatri K., Chauhan R., Bharihoke V. To study the effect of monosodium glutamate (MSG) on histomorphometry of cortex of kidney in albino rats. *Renal Failure*. 2014. 36(2):266-270.
- Rani P., Dhurandhar D., Chauhan R. Frequency of abnormal branching pattern of axillary artery: A cadaveric study. *Int. J Res Med Sci*. 2014. 2(1):67-70.
- Dhurandhar D., Rani P., Chauhan R. Anomalous branching of axillary artery. *Anatomical Society of India*. 2014. 63(1):S99.
- Khorwal G., Chauhan R., Nagar M. Cyclophosphamide induced changes in the liver of albino rat. *Journal of Anatomical Society of India*. 2014. 63:S 42.
- Chauhan R., Khanna J. Foramen of Huschke in North Indians: An anatomical study. *International Journal of Research in Medical Sciences*. 2014. 2(2):728-732.
- Chauhan R., Nagar M. Dorsal Sacral Dimensional Anatomy-Revisited *International Journal of Research in Medical Sciences*. (Accepted for Publication)
- Chauhan P. and Kalra S. Coexistence of anomalies in the termination of facial artery and the origin of transverse facial artery. A case report. *Journal of Morphological Sciences*, 2014. Vol.31(1):67-69.
- Goyal R., Chauhan P., Kalra S., Munjal S., Choudhry A. and Anurag A. Comparative study of mandibular cortical index in orthopantomogram and bone mineral density of lumbar vertebrae in dual energy X-ray absorptiometry in postmenopausal females in north India. *Journal of Surgical Academia*, 2014. 4(1):14-19.
- Chauhan P., Kalra S., Mongia SM. Ali S. Anurag A. Morphometric analysis of sella turcica in North Indian population : a radiological study. *International Journal of Research in Medical sciences*, 2014. 2:521-526.
- Kalra S., Chauhan P., Khandelwal A. and Rani P. Variations of Gerdy's tubercle, proposal of a morphological classification and its clinical importance. *Journal of Morphological Sciences*, 2014. Vol.31(2):110-113.
- Gupta S., Kalra S., Bharihoke V., Dhurndhar D. Sucralose induced toxicity in the pancreas of albino rats. *Journal of Morphological Sciences*. 2014. Vol.31(2):123-127.
- Kalra S., Thamke S., Khandelwal A. An undocumented variation involving auriculotemporal nerve, inferior alveolar nerve and middle meningeal artery. *International Journal of Research in Medical Sciences*. 2014. 2(4):1720-1722.

Kalra S., Rani P., Khandelwal A. Variations in the shape of tuberculum anterolaterale. Journal of Anatomical Society of India. 2014:63:S4.

Dhurandhar D., Bharihoke V., Kalra S. Sucralose induced liver toxicity on albino rat. Journal of Anatomical Society of India. 2014. 63, S12.

Faculty Strength: Permanent – 3

Number of National Journals Subscribed: Journal of Anatomical Society of India

Number of International Journals Subscribed : Annals of Anatomy; Journal of Anatomy: Development, Evolution, Function.

Other Significant Information

Workshops attended by teaching staff

Dr. Shweta Jha attended Workshop on “Laboratory Techniques of Cytogenetics and Molecular Genetics” on 17th & 18th Oct, 2014 at MAMC, Delhi.

Dr. Gitanjali Khorwal attended Workshop on “Embalming & advanced preservation techniques of human bodies and fetal autopsy” on 13th & 14th Feb., 2015 at MAMC, Delhi..

Dr. Gitanjali Khorwal attended Workshop on “Preservation techniques of human body” on 13th and 14th Feb., 2015 at MAMC, Delhi.

Dr. Rakhee Sharma attended Workshop on “Principles of immunohistochemistry” on 13th & 14th March, 2015.

ANAESTHESIOLOGY AND INTENSIVE CARE (MAMC)

Activities and Achievements

Department is actively involved in teaching and research activities of under-graduate and post-graduate students. Training programme for technical staff is being conducted under Govt. of NCT of Delhi. Faculty is actively involved in clinical activities in operation theaters and ICU.

Research Projects

Comparative evaluation of effect of twenty ml of bolus saline and arm elevation on different doses of rocuronium Dr. Garima Anant, Dr. U.C. Verma, Dr. Munisha Agarwal.

Evaluation of relationship between alignment angle and glottic view during direct laryngoscopy in pediatric population. Dr. Shyam Dev, Dr. Munisha, Dr. Rakesh, Dr. U.C. Verma.

Comparison of truvieview evo2 and macintosh laryngoscope for orotracheal intubation in paediatric patients. Dr. Neha, Dr. J.S. Dali, Dr. Kavita.

Role of intramuscular glycopyrrolate in preventing hypotension after subarachnoid block in elderly patients. Dr. Aseem, Dr. JS Dali, Dr. Kavita.

Comparison of Miller and Macintosh blades for laryngoscopy and ease of intubation in small children Dr. Aakanksha, Dr. Kavita, Dr. J.S. Dali.

Comparative evaluation of I-gel vs endotracheal intubation in paediatric patients undergoing laparoscopic surgeries. Dr. Megha Kohli, Dr. Sonia Wadhawan, Dr. Poonam Bhadoria, Dr. Simmi K Ratan.

Correlation of preoperative anxiety with propofol consumption and serum cortisol during total intravenous anaesthesia for oocyte retrieval in invitro fertilization patients. Dr. Barakha Gogoi, Dr. Poonam Bhadoria, Dr. Sudha Prasad, Dr. Sonia Wadhawan, Dr. T K Mishra.

Comparative evaluation of tracheal intubation using Airtraq versus intubating laryngeal mask airway with cervical spine immobilisation. Dr. Sivaraj, Dr. Sonia Wadhawan, Dr. Poonam Bhadoria.

Efficacy of dexmedetomidine versus fentanyl in total intravenous anaesthesia for laparoscopic surgeries: A prospective, randomized, double-blinded study. Dr. Tabish Husnain Siddiqui, Dr. Poonam Bhadoria, Dr. Sonia Wadhawan.

A comparative evaluation of proseal laryngeal mask airway, i-gel and supreme laryngeal mask airway in anaesthetised paralysed adult patients undergoing elective surgery. Dr. Anisha Singh, Dr. Raktima Anand, Dr. Anju R Bhalotra.

Comparison of acromioaxillo-suprasternal notch index with modified Mallampati test in predicting difficult laryngoscopy. Dr. Mohd Shakir Naeem, Dr. Kirti N Saxena, Dr. Bharti Taneja.

Thyromental distance as a predictor of difficult intubation in children. Dr. Silvy Anna Varughese, Dr. Kirti N Saxena, Dr. Bharti Taneja.

Comparison of three different techniques for predicting PLMA size in children. Dr. Shivali Panvar, Dr. Kirti N Saxena, Dr. Bharti Taneja.

Comparative evaluation of the haemodynamics effects of extended sitting versus conventional sitting maternal position during administration of spinal anaesthesia for elective caesarean section. Dr. Himanshu Sikri, Dr. Bharti Taneja, Dr. Kirti N Saxena.

A comparative evaluation of retrograde light-guided laryngoscopic intubation vs conventional direct laryngoscopic intubation. Dr. Bharti Taneja, Dr. Kirti N Saxena.

Assessment of the role of fast track protocol for colostomy closure in patients the paediatric age group. Dr. Bharti Taneja, Dr. Kirti N Saxena.

Comparative evaluation of single level paravertebral block versus caudal block for post operative analgesia in paediatric inguinal surgery. Dr. Bharti Taneja, Dr. Kirti N Saxena.

Publications

Endotracheal Intubation in a neonate with trachea-esophageal fistula: Pitfalls and techniques. Dr. Bharti Taneja, Dr. Kirti N Saxena. *J Neonat Surg* 2014, 3(2):18.

Khurana T, Taneja B, Saxena KN. Anesthetic management of a parturient with glioma brain for cesarean section immediately followed by craniotomy. *Journal of Anesthesiology and Clinical Pharmacology*. 2014, 30 (3):397-399.

Chaudhary K, Saxena K N, Taneja B, Gaba P, Anand R. Intathecral catheterization for accidental dural puncture: A successful strategy for reducing post dural puncture. *Indian J Anesthesiology*. 2014, 58 (4):473-475.

Kerai S, Saxena K N, Taneja B. Role of trans-cutaneous electrical nerve stimulation in post operative analgesia. Indian J Anesthesiology. 2014, 58(4):388-93.

Kerai S, Saxena K N, Taneja B. Klippel Feil syndrome and neuraxial anesthesia. Indian J Anesthesiology. 2014, 58(3):341-43.

Saxena K N. Malignant hyperthermia. Medical Journal of D.Y. Patil University. 2014, L7(3):283.

Khurana T, Saxena K N. Evaluation of the pre- and post-bronchodilator pulmonary function test in fifty healthy volunteers. Int J Medical and Applied Sciences. E-ISSN: 2320-3137: 261-268.

Sharma K. Postoperative pain relief in children. Proc. Pediatric Surgery Update Feb 2014.

Conferences Organized/Attended

Dr. U. C. Verma: Sixth National Conference on Paediatric Anaesthesia at Goa and 6th WCCPCI 2014 at Mount Abu.

Dr. Raktima Anand: Annual conference of Delhi branch of ISA April 2014: Chaired a session Airway Congress 2014.

Dr. J. S. Dali: Presented a paper as co-author. Participated as resource person in ISA Delhi annual conference ISADAC-2014 in April 2014 at ATICAR complex, Pusa, New Delhi.

Dr. Poonam Bhadoria: American Thoracic Society International Conference 2014, at San Diego, California, USA, 16-21 May 2014. National conference on pulmonary diseases, NAPCON-2014 from 20-23 November 2014 and INCRAA 5-6 April 2014, at AIIMS, New Delhi.

Delivered two guest lectures and conducted a bronchoscopy workshop in Anaesthesia CME at Ranchi medical college, Ranchi on 29th April, 2014.

Anaesthesia update and critical care medicine conference at Dr. RML Hospital at Lucknow, 30-31 August 2014.

Delivered a lecture on anaesthesia for renal transplant in Anaesthesia update and critical care medicine conference at Dr. RML hospital at Lucknow, 30-31 August 2014.

RSACP conference at Himalayan Institute Dehradun, 14-16 November 2014.

Dr. Kirti Nath Saxena: Participated in PRO-Con session on 'Simulation based training is the best technique to improve anaesthetic skills' in Annual ISA Delhi branch conference on 12 April, 2014. Author of 4 papers presented.

Participated in panel discussion on 'Left thoracotomy in a patient with pacemaker' at Cadence 2014 in Medant hospital on 13 September, 2014.

Lecture on 'Kyphoscoliosis and Anaesthesia' in AOACON at Varanasi on 19 October, 2014.

Lecture on 'Airway issues specific to obstetrics' in Airway 2014 on 4 November, 2014.

Lecture on 'Challenges in anaesthetic management of congenital & acquired heart valvular disease in Obstetric patient' in RSACP CON in Dehradun on 16 November, 2014.

Dr. Munisha Agarwal: Faculty for "Bronchocon 2014" Workshop on "Difficulties during bronchoscopy" at Jaipur Golden Hospital, Delhi, Feb 2014. Faculty for ISA, Delhi chapter, April 2014, Expert for case discussion on morbidly obese for laparoscopic cholecystectomy.

Faculty for Airway Simulation Workshop on World Simulation Day organized by AIIMS, Delhi, Aug 2014.

Faculty for Airway workshop at RSACPCON 2014, at Jolly Grant Hospital, Dehradun, November, 2014.

Dr. Kavita R. Sharma: Airway Congress 2014 held at New Delhi Nov 2014
Faculty at Simulation sessions for Difficult Airway at Airway Congress 2014 held at New Delhi Nov 2014.

Paper presented: Dr. Kavita Sharma 'Airway Management of Neonate presenting with Giant Occipital Encephalocele' at 6th National conference of Pediatric Anesthesia held at Goa February, 2014.

Dr. Anju R. Bhalotra: INCRAA at AIIMS on 5 April, 2014. Participated in panel discussion on ovarian hyperstimulation syndrome.

April 12th 2014, Indian Society of Anaesthesiologists (Delhi Chapter) Annual Conference on April 12 -13, 2014. Participated in Pro & Con Session; Peri-operative optimal fluid therapy: Restrictive vs liberal.

Dr. Sonia Wadhawan :7th National Conference, AOACON, BHU at Varanasi in October 2014.

Dr. Manoj Bhardwaj: invited as faculty for CME "PCCM" to deliver talk on "Adjuvant therapies on ventilator" and workshop on "basic modes of mechanical ventilation and how to set a ventilator" on 26th April, 2014 held at PGIMS, Rohtak, Haryana. Co-ordinated and participated as faculty for workshop on airway management, held by airway management foundation from 2nd to 4th November, 2014 at New Delhi. Invited as faculty in annual conference RSACP for panel discussion on "critical management of help syndrome" held from 14th-16th November, 2014 at HIMS, Jolly Grant, Dehradun.

Dr. Bharti Taneja: National Conference of Pediatric Anesthesia, Goa, February 2014.

Faculty lecture on: Anaesthetic considerations in HIV parturient AOACON 2014, Banaras Hindu University, Varanasi October 2014.

Faculty for Airway 2014: Pro-con session on "Airway morbidity is considerably less with SADs as compared to endotracheal tubes" November 2014, New Delhi.

Dr. Neelam Prasad: Faculty at Airway Congress 2014. 2-4th Nov, 2014.

Annual conference of Delhi Branch of ISA, ISADAC, April 2014 : delivered a lecture titled Emergence of sub-specialities in Anaesthesia : is it strengthening the ISA (pro and cons session).

Dr. Amit Kohli: Annual conference of Delhi Branch of ISA, ISADAC, April 2014.

UKISACON 2014 held at Dehradun, Uttarakhand on 15th -16th November 2014; delivered a lecture on Computers and Simulators in Anaesthesia.

Delivered two guest lectures and conducted a bronchoscopy workshop in Anaesthesia CME at Ranchi medical college, Ranchi on 29th April, 2014.

Faculty Strength: Permanent - 14

Number of International Journals Subscribed: 8

BIOCHEMISTRY (LHMC)

Activities and Achievements

Ongoing Research Projects

Dr. Anju Jain: A randomized control trial to compare the efficacy of N-acetyl cysteine, metformin or placebo therapy on clinical, hormonal, metabolic and oxidative stress profile of infertile women with polycystic ovary syndrome along with clomiphene citrate.

Dr. Ritu Singh: Role of Pregnancy Associated Plasma Protein A (PAPPA) and free β -hCG levels, uterine artery Doppler and maternal factors in first trimester of pregnancy for prediction of preeclampsia: ICMR 5/7/509/10-RHN.

Dr. Binita Goswami: The role of VEGF, VEGF-R2 paxillin and AKT expression and serum VEGF, VEGF-R2 paxillin and AKT levels as indicators of tumor burden in patients with endometrial carcinoma.

Honours/Distinctions

Five awards/prizes were given to post graduate students in various national and international conferences.

Dr. Ritu Singh: DHR-ICMR International Fellowship in Genomics 2014-2015.

Conferences Organized/Attended

Organization: AMBICON (Delhi chapter), two phlebotomy workshops
Symposia Delhi Chapter- ISAR "Recent advances in cardiovascular diseases"
Guest Lecture of Prof. Jay Kalra from Saskatoon, Canada
Attended: AMBICON, AMBI Delhi Chapter, ACBICON, ISAR, IEM, AACR

Other Significant Information

This year six MD students have submitted thesis/ protocols with the faculty of biochemistry as supervisor and more than 20 MD/MS of other departments with biochemistry faculty as co-supervisors. Faculty has attended annual conferences of ACBI, AMBI, ISAR, IEM and AACR and has 15 publications in various National and International Journals. Five awards/prizes were given to post-graduate students in various national and International conferences. The department runs routine and 24x7x365 days emergency clinical laboratory services with state of the art fully automated analyzers. as well as hormone lab and Molecular biology lab. The KSCH clinical biochemistry laboratory has been taken over by Biochemistry department. Total number of tests conducted in the clinical biochemistry lab was more than 8 lakhs this year.

Training of all faculty in NABL and MCI approved National Teachers Training.

BIOCHEMISTRY (UCMS)

Activities and Achievements

The Department has made significant progress not only in undergraduate and post graduate training but also in medical research. Many of our faculty members were bestowed with prestigious awards

and orations and were invited for presenting research papers at reputed national and international conferences. Our students too have own various awards for scientific presentations in national conferences. Problem based learning (PBL), clinical case discussion and microteaching sessions were introduced for the students. Many of them are also holding eminent posts in various national and international expert / technical committees. Many faculty members have published research articles in peer reviewed international and national journals. A novel lead molecule was isolated against diabetes in a UGC funded project from germinated Glycine max seeds and patent has been filed for the same in 2014.

Research Projects

Principal Investigator	Title of the Project	Years	Fund ed by	Grant Rs.
Dr. Rafat S. Ahmed	Effect of different extracts of <i>Withania somnifera</i> in the treatment of rheumatoid arthritis: An experimental study	3 years (2012-2015)	DBT	Rs.24,57,000/-
Dr. B. D. Banerjee	“Gene–environment interaction and identification of high risk phenotype in the etiology of epithelial ovarian cancer.”	3 years	DBT	Rs.56 lakhs
Dr. Rajarshi Kar	"Primary cultures of epithelial ovarian cancer as a tool to detect resistance to chemotherapeutic agents – a pilot study"	3 years (2014-2017)	DBT	Rs.25 lakhs
Dr. S. B. Sharma	Design and synthesis of alpha hydroxy succinamic acid isolated from <i>Eugenia jambolana</i> and its structural analogs for the assessment of their anti diabetic potential in STZ induced diabetic rats.	2015-2018	ICM R	Rs.28 lakhs

Publications : 24

Ayalur GR, Kaur J, Sharma T, Banerjee BD, Radhakrishnan G, Vaid N. Pregnancy outcomes in smokeless tobacco users cohort study in a tertiary care hospital, Journal of Obstetrics and Gynecology, 2014; 4:371-378.

Banerjee BD and Sharma T. Gene-environment interaction and risk of ovarian cancer. Reprod. Syst. Sex Disord, 2014, 3:10.4172/2161-038.

Chand S, Mustafa MD, Banerjee BD, Guleria K. CYP17A1 gene polymorphism along with environmental exposure to organochlorine pesticides contribute to the risk of small for gestational age. Eur J Obstet Gynecol Report Biol, 2014; 180:100-105.

Chandra N, Mehndiratta M, Banerjee BD, Guleria K, Tripathi AK. Phenotypic expression and polymorphism of glutathione-S-transferase gene in materno-fetal dyads with idiopathic fetal growth restriction. Journal of Reproductive Health and Medicine, 2015; 1:10-17.

Sharma T, Banerjee BD, Md. Mustafa, Guleria K, Ahmed RS, Tripathi AK. Gene-environment interaction in preterm delivery with special reference to organochlorine pesticide: A case control study. *Int. J. Bio. Mol. Bio*, 2014; 15:209-14.

Siddharth M, Datta SK, Md. Mustafa, Ahmed RS, Banerjee BD, Kalra OP, Tripathi AK. Increased level of organochlorine pesticides in chronic kidney disease patients of unknown etiology: Role of GSTM1/GSTT1 polymorphism. *Chemosphere* 2014; 36:164-170.

Shukla SK, Sharma SB, Singh UR. Pretreatment with α -tocopherol and terminalia arjuna ameliorates, pro-inflammatory cytokines, cardiac and apoptotic markers in myocardial infarcted rats. *Redox report*, 2015; 20:49-59.

Uppal V, Mehndiratta M, Mohapatra D, Grover RK, Puri D. XRCC-1 Gene polymorphism (Arg399Gln) and susceptibility to development of lung cancer in cohort of north Indian population: A Pilot Study. *J Clin Diagn Res.*, 2014; 8:CC17-20.

Conferences Organized/Attended

AMBI-CME Delhi chapter “Metabolic Syndrome and Tumour markers- What is the latest?” Organized by Department of Biochemistry, RML Hospital, New Delhi, 19 Sep, 2014.

CME on Application of flow cytometry in clinical/biomedical research, organized by Multidisciplinary Research Unit, UCMS. 1st May, 2014.

Number of Ph.D./M-Phil Degrees Awarded

Ph. D: 5

Faculty Strength: Permanent - 18

Number of National Journals Subscribed

Total (Paperback) : 4

Number of International Journals Subscribed

Total (Paperback) : 3

Other Significant Information

The department has contributed immensely in establishing the multi-disciplinary research unit funded by ICMR. The central research lab developed under this scheme has state of the art instruments which will give the faculty, students and research scholar a solid platform to carry out research of international standards. The department plans to shift the focus from animal studies to cell cultures.

BIOCHEMISTRY (VPCI)

Activities and Achievements

The major activities of the department include Research and Teaching. The main research projects pursued were: (a) studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial asthma, (b) erythrocytic membrane proteins: expression proteomics and their significance in bronchial asthma, (c) a study on *CRHR1* and *GR* gene polymorphism and their

correlation with the expression of various inflammatory cytokines in asthma in north Indian population. The studies reveal that in asthma, several proteins are differentially expressed in the erythrocyte membranes and there is increased oxidative stress as compared to healthy subjects. The teaching activities mainly include MD (Biochemistry) and PhD (Medical Biochemistry) programmes as per the curriculum of Faculty of Medical Sciences. Besides it the department provides summer training to the students from various universities and colleges.

Research Projects

Title: Studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial asthma. Mr. Manoj Kumar (DBT-SRF). Sponsor: Department of Biotechnology (DBT). Funding Amount: 14.92 Lakh.

Title: Erythrocytic Membrane Proteins: Expression proteomics and their significance in bronchial asthma. Dr. Rajendra Singh (Dr. DS Kothari Postdoctoral Fellow). Sponsor: University Grant Commission (UGC). Funding Amount: 16.57 Lakh.

Title: A study on CRHR1 and GR gene polymorphism and their correlation with the expression of various inflammatory cytokines in asthma in North Indian population. Mr. Anil Meena (ICMR-JRF). Sponsor: ICMR. Funding Amount: 16.1 Lakh.

Publications: 01

Conferences Organized/Attended

Prof. S.K. Bansal attended the Symposium on “Pulmonary Rehabilitation in COPD” on 04 April, 2014 held at Paintal Memorial Golden Jubilee Auditorium, VP Chest Institute.

Prof. S.K. Bansal attended the Lecture on “Update on Chronic Obstructive Pulmonary Disease (COPD)” on 30.07.2014 held at Paintal Memorial Golden Jubilee Auditorium, VP Chest Institute.

Prof. S.K. Bansal attended the CME program on “The Medicity & Ortho Clinical Diagnostics” on 01.11.2014 held at Department of Biochemistry, Gurgaon, organized by Association of Clinical Biochemists of India (Haryana Chapter).

Faculty Strength: Permanent - 2

CARDIOLOGY (GBPH)

Department of cardiology has shown exponential growth in volume of high quality patient care, teaching and training several generations of cardiovascular specialists and in publishing outstanding research work pertaining to cardiology. It is rated as one of the best cardiology training programmes of the country. The year 2014 has been an important milestone. The Hospital along with the department celebrated Golden Jubilee of GB Pant Hospital. Celebrations for the same were conducted in the hospital along with Maulana Azad Medical college. Basic research in genetics of hypertension, rheumatic heart disease & ischemic heart disease and coronary slow flow were published in major peer reviewed international journals. Acute Heart Attack emergency has proved to be life saving modality by providing early primary percutaneous intervention.

Research Completed

ACE gene and CTLA4 gene polymorphism in Rheumatic Heart disease and its association with severity and calcification.

Study of 2D & Speckled tracking echo and terminal pro BNP levels in pre & post BMV in Rheumatic mitral stenosis.

Correlation of serum vitamin D level with calcification in mitral valve.
Pulmonary and coronary artery involvement in patients with Takayasu arteritis.
Regulatory T-cell and pro-inflammatory cytokines in coronary artery disease.

Ongoing Research

Significance of Apo-E gene polymorphism and non conventional biochemical risk factors in very young patients of Acute myocardial infarction.

Demographic, clinical, angiographic and risk factor profile in patients with MI who are < 35yrs.

Effect of BMV on p wave dispersion and atrial electromechanical delay in patients with Rheumatic mitral stenosis.

Predictors of coronary slow flow in Indian population.

Assessment of pulmonary vascular changes in patients with Rheumatic mitral valve disease and pulmonary hypertension undergoing mitral valve replacement.

Publications

An unusual cardiac mass resolving with antitubercular treatment. Vyas A, Rajeshwari K, Kurien S, Mehta V, Pandarikar N, Tyagi S. *Ann Pediatr Cardiol.* 2014 Sep; 7(3):204-6.

Aortic rupture during aortoplasty in Takayasu arteritis--a rare complication: Case report and review of literature. Mehta V, Pandit BN, Yusuf J, Mukhopadhyay S, Yadav J, Trehan V, Tyagi S. *Indian Heart J.* 2014 May-Jun; 66(3):350-4.

Relook at lipoprotein (A): Independent risk factor of coronary artery disease in north Indian population. Yusuf J, Yadav N, Mukhopadhyay S, Goyal A, Mehta V, Trehan V, Tyagi S. *Indian Heart J.* 2014 May-Jun; 66(3):272-9.

Umbilical venous catheter retrieval in a 970 gm neonate by a novel technique. Nigam A, Trehan V, Mehta V. *Ann Pediatr Cardiol.* 2014 Jan; 7(1):52-4.

Retrieval of impacted broken balloon by balloon inflation in guiding catheter. Mehta V, Pandit BN, Yusuf J, Mukhopadhyay S, Trehan V, Tyagi S. *CardiovascInterv Ther.* 2014 Jul;29(3):252-5.

Emergency hepatic artery embolization in a patient with post-traumatic ruptured hepatic artery pseudoaneurysm. Mohanty S, Mukhopadhyay S, Yusuf J, Tyagi S. *J Emerg Trauma Shock.* 2014 Jul; 7(3):246-7.

Systemic and local levels of fetuin-a in calcified mitral valves of rheumatic heart disease. Mukhopadhyay S, Pandit BN, Saran RK, Mazumdar K, Yusuf J, Minhas HS, Trehan V, Tyagi S. *J Heart Valve Dis.* 2014 Jan; 23(1):55-65.

Intermittent right ventricular outflow tract capture due to chronic right atrial lead dislodgement. Choudhury PP, Chaturvedi V, Mukhopadhyay S, Yusuf J. *Indian Pacing Electrophysiol J.* 2014 Jul 15; 14(4):217-22.

Rapid guiding catheter swapping for management of rupture during percutaneous venoplasty for idiopathic occlusion of superior vena cava. Pandit BN, Chaturvedi V, Parakh N, Gade S, Trehan V. *Cardiovasc Interv Ther.* 2014 May 24. [Epub ahead of print]

Paravalvular leak closure with two large size devices. Trehan VK, Subhendu MS, Chaturvedi V, Pandit BN, Goyal M. Indian Heart J. 2014 Jan-Feb; 66(1):91-4.

Double orifice mitral valve in rheumatic heart disease. Choudhury PP, Chaturvedi V. Echocardiography. 2014; 31(1):E27-9.

Bilateral pulmonary vein stenting through an unligated vertical vein in a postoperative case of TAPVC. Nigam A, Trehan V, Agarwal S. J Card Surg. 2014 Sep; 29(5):705-8.

Umbilical venous catheter retrieval in a 970 gm neonate by a novel technique. Nigam A, Trehan V, Mehta V. Ann Pediatr Cardiol. 2014 Jan; 7(1):52-4.

Left hemitruncus with normal right-sided pressures in an adult. Nigam A, Trehan V. Cardiol Young. 2014 Oct; 24(5):926-8.

Myocardial bridging in all major epicardial vessels. Gupta MD, Girish MP, Trehan V, Tyagi S. JACC CardiovascInterv. 2014 Oct; 7(10):e129-31.

Hepatic vein anchor-wire technique to prevent stent migration during inferior vena cava stenting for Budd-Chiari syndrome. Trehan VK, Jain G, Pandit BN. J Invasive Cardiol. 2014 May; 26(5):225-7.

Unusual cause of syncope in a patient with ischemic heart disease. Gupta MD, Girish, Goyal M, Subhendu M, Tyagi S. Ann Noninvasive Electrocardiol. 2014 Jul; 19(4):395-7.

β -T594M epithelial sodium channel gene polymorphism and essential hypertension in individuals of Indo-Aryan ancestry in Northern India. Gupta MD, Girish MP, Sikdar S, Ahuja R, Shah D, Kumar R, Rain M, Nejatizadeh A, Tyagi S, Pasha Q. Indian Heart J. 2014 Jul-Aug; 66(4):397-400.

Intra-abdominal leiomyoma with right atrial extension. Rathnakar R, Minhas HS, Gupta MD, Girish MP, Satsangi DK. J Card Surg. 2014 May 6. doi: 10.1111/jocs.12349. [Epub ahead of print]

Association between the Glu298Asp and 4b/4a polymorphisms of endothelial nitric oxide synthase and coronary slow flow in the North Indian population. Gupta MD, Akkarappatty C, Girish MP, Kumar R, Rain M, Tyagi S, Qadar Pasha MA. Coron Artery Dis. 2014 May; 25(3):192-7.

Primary percutaneous intervention in a patient with anterior and inferior wall myocardial infarction because of a rare coronary artery anomaly. Gupta MD, Girish MP, Pandit BN, Tyagi S. JACC CardiovascInterv. 2014 Jan; 7(1):e3-4.

Chapters in Books

Trehan V, Bansal Ankit: Angiotensin receptor blocker: New dimensions in 2014: Cardiology Update 2014.

Sanjay Tyagi, Amit Mittal, Management of Takayasu Arteritis. Cardiology Update 2014.

Mohit D Gupta, Jyotiprakash Karan, Girish MP: Acute decompensated Heart Failure: Cardiology Update 2014.

Conferences/Workshops/Symposia Attended

Prof V Trehan: Reviewer for Catheterization and Cardiovascular Intervention journal (USA)

Guest Lectures: Talk on balloon mitral valvotomy- Tips and Tricks: Mumbai; Interpretation of coronary angiogram: CSI 2014; Complete revascularization in primary setting: CSI 2014; Foreign body retrieval: Tips and Trick: Mumbai; How I approach this bifurcation: NIC 2014; Complex

Cardiac Intervention: Case based approach NIC 2014 : 3 cases; Approach to broad complex tachycardia; Cardiac summit, MAX hospital; Left Main Interventions: Tips and Tricks; CSI 2014
Invited as National Faculty for VITAPACE for pacemaker skills programme.

Prof. S. Tyagi : 66th Annual Conference Chairman of CSI-2014; Session: The Left Main Conclave; Debate: “Is Tavi ready for surgically eligible patients; Debate: My Preferable first angiogram: MDCT or Conventional Angiography.

Dr. Girish MP: Presentation in Tips and Tricks in Retrievals of Embolized material in coronaries in NIC meet, 2014.

Dr. Mohit D Gupta: CSI 2014: Talk on novel Oral Anticoagulants and Presentation on tips and tricks in complex Angioplasty in NIC 2014.

Other Significant Information

Health services to the community: Department has particular focus on prevention of heart disease. The faculty of the department is undertaking various public awareness programmes on heart disease. Talk on Nurses day "Easy Life for Busy People", Secrets of healthy and Happy Life.

Talk on “Secrets of Stress management, self transformation, healthy lifestyle and various life style modifications.

Department organizes and participates in various programmes on prevention of heart diseases.

Yoga centre of the department helps the cardiac patients in prevention and life style management.

Faculty Strength: Permanent - 4

COMMUNITY MEDICINE (MAMC)

Activities and Achievements

The Department conducts one year Fellowship in HIV medicine, which was attended by seven candidates, conducts PGDGM and PGDMCH courses under IGNOU distance learning mode. Two international conferences organized during the current year. Eight MD students have been awarded MD degree, three PhD students are currently on roll, 24 students are pursuing MD. Publications- 88 in international and national journals. Four ICMR funded research projects are currently underway, two STS under ICMR have carried out research. Besides, department provides primary care to urban slum and resettlement colonies of Delhi. Faculty authored 12 books and contributed several chapters in books.

Research Projects

Dr. Suneela Garg as Principal Investigator for ICMR funded project on “A prospective study of magnitude of domestic violence in pregnancy, it’s associated factors, related maternal health and birth outcomes in Delhi”. Co-investigators: Dr. MM Singh, Dr. Nandini Sharma, Dr. G. K. Ingle.

Dr. Suneela Garg as Principal Investigator for Sero prevalence study in 5 to 10 year-old children in India. Co-investigators: Dr. Nandini Sharma, Dr. Anita Chakraborty, Dr. M.M. Singh.

Dr. MM Singh as Principal Investigator for ICMR funded project on “Healthcare facility preparedness and knowledge, attitude and practices among healthcare providers regarding gender based violence in Delhi”. Co-investigators: Dr. Suneela Garg, Dr. Nandini Sharma, Dr. Rajesh Kumar, Dr. Tanu Anand, Dr. G.K.Ingle.

Dr. Pragya Sharma as Principal Investigator for ICMR funded project on ‘Reasons of Non Use of Emergency Contraceptive Pills in Sexually Active Married Women Seeking Abortion in Delhi’.

Publications : 88

Anand T, Ingle GK, Meena GS, Jugal Kishore and Kumar R. Hypertension and its correlates among school adolescents in Delhi. *Int J Prev Med* 2014; S65-S70.

Grover M, Bhagat N, Sharma N, Dhuria M. Treatment pathways of extrapulmonary patients diagnosed at Tertiary care hospitals in Delhi, India. *Lung India*. 2014; 31 (1):16-22.

Taneja DK, Malik A. Zinc: An effective but neglected child survival intervention. *Indian J Community Med*. 2014; 39:191-3.

Kishore J, Kumar R. Implication of the Seoul declaration on public health of India (Editorial). *Indian Journal of Public Health* 2014; 58 (3):143-146.

Singh MM, Devi R, Yedla N. Financing for health in India. *BMJ* 2014; 348:g3179.

Devi R, Singh MM, Kapoor B, Yedla N. Education and support for self care management in chronic illnesses in India. *BMJ* 2014; 348:g4106.

Kohli C, Kumar R, Meena GS, Singh MM, Sahoo J, and Ingle GK. Usage and perceived side effects of personal protective measures against mosquitoes among current users in Delhi. *Journal of parasitology research*. *Journal of Parasitology Research*, Volume 2014 (2014), Article ID 628090, 4 pages. <http://dx.doi.org/10.1155/2014/628090>.

Conferences Organized/Attended

Organized 1st World Congress on ear and hearing care at India Habitat Centre, New Delhi, 12-14th Feb 2015.

Organized Fellowship in HIV Medicine 2014-15.

Organized 2nd International conference on occupational and environmental health” held in Delhi from 26-28th September 2014.

Number of M.D/Ph.D. Degrees Awarded: 08

Faculty Strength: Permanent - 14

COMMUNITY MEDICINE (LHMC)**Activities and Achievements**

The Department undertakes undergraduate theory and practical teaching of MBBS students from 1st to 7th Semester. A batch of 200 students joins the course every year. In addition, Post-graduate teaching is imparted for students admitted for MD in Community Medicine (sanctioned strength 9 students per year). These teachings comprise lecture presentations, seminar, journal clubs, practical sessions, community based studies and exposure visits to various facilities and institutions. The Department also organizes and coordinates Internship of MBBS students with all Departments of LHMC & Associated Hospitals.

Provision of comprehensive health care services in the community through following health centres:

Urban Health Centre - Kalyanpuri

Primary Health Centre - Palam

Primary Health Centre - Mehrauli

Child Health Promotion Centre (CHPC), KSCH, New Delhi

The comprehensive care provided at these centres includes Out Patient Medical Care, Family Welfare, Antenatal care, Immunization, Interactive Health Education Sessions and implementation of

National Health Program. The Department has been designated as the Regional Vaccine Store (RVS) for Pulse Polio Abhiyan and participated in all rounds of Pulse Polio Immunization during 14-15. The department also coordinates surveillance for Vector Borne Diseases and Drinking Water Quality and Rotatory Internship of the institution and associated hospitals.

Number of MD Degrees Awarded : 7

Research Grant/Other Projects

Title of the Project	Investigators	Co-Investigator	Sponsor	Funding Amount
Health Accounting Scheme: Empowering people for health care through multi-sector coordination- An Operational Evaluation	Dr. D. Bachani	Dr. S. K. Rasanias Dr. J. Khandekar Dr. Anita Acharya	ICMR	Approx Rs.30 lakh (under process)

Inter Institutional Collaboration

Students enrolled for Post Graduate Diploma in Maternal & Child Health (PGDMCH) from IGNOU (as a Programme Study Centre).

B.Sc. (H) nursing students of College of Nursing of LHMC (epidemiology and other public health related topics) and Training for M.Sc. in Public Health Nursing.

Organization of Workshops on Research Protocols and Data Analysis with Kalawati Saran Children Hospital, New Delhi for PG students.

Publications

Gupta R, Rasanias SK, Acharya AS. The influence of television on urban adolescents of Delhi. Indian J Community Med 2014; 39(1):47-48.

Dua B, Acharya AS. Health impact assessment: Need and future scope in India. Indian J Community Med. 2014 Apr; 39(2):76-81.

Nigam A, Saxena P, Acharya AS, Mishra A, Batra S. HPV vaccination in India: Critical appraisal. Obs and Gyne Vol 2014 (2014).

Walke SP, Das R, Acharya AS, Pemde HK. Incidence, pattern, and severity of acute respiratory infections among infants and toddlers of a peri-urban area of Delhi: A 12-Month prospective study. Public Health. Volume 2014.

Priyanka, Acharya AS. Reducing maternal deaths in India: Will good emergency obstetric care be useful? Natl Med J India. 2014; 27(1):20-21.

Acharya AS, Priyanka, Khandekar J, Bachani D. Assessment of knowledge and practices regarding injection safety and related biomedical waste management amongst interns in a tertiary care teaching hospital, Delhi. Public Health. Volume 2014.

Verma D, Acharya AS, Bachani D, Seth A, Hemal A. Effect of ART on anemia in children living with HIV attending tertiary care hospitals of New Delhi. Ind J of Community Health. 2014; 26(S2):258-63.

Panth M, Acharya AS. The unprecedented role of computers in improvement and transformation of public health: An emerging priority. *Indian J Community Med* 1/2015; 40(1):8-13.

Manish Kumar Goel, Arun Kumar, S K Rasania. Writing a scientific paper on adolescent health issues *Indian Journal of Youth and Adolescent Health*. Vol 1, No 2 (2014).

Gunjan Kumar, Gaurav Seth, Manish Kumar Goel. Travelers health: An emerging issue. *Indian Journal of Medical Specialties*. Volume 6, Issue 1, January–March 2015, Pages 20–25.

Arun Kumar, Manish Kumar Goel, Ram Bilas Jain, Pardeep Khanna. Tracking the implementation to identify gaps in integrated disease surveillance program in a block of district Jhajjar (Haryana). *J Family Med Prim Care*. 2014 Jul-Sep; 3(3): 213–215.

B Dua, Tapas Kumar Ray, B Dhiman. The Status of iodine deficiency in Mehrauli area of South Delhi. *Ind J Com Health*. Vol 27, Supp S1, (2015).

Swati Kwatra, Sumit Sharma, Gupta M, SK Rasania. Status of air quality and respiratory health in Delhi. *Journal of Advanced Research in Alternative Energy, Environment and Ecology* 01/2014; Vol.1.

Mahender Singh, Manish Kumar Goel, Rakesh Gupta, Devender Raj Gaur, Binod Kumar Behera, Seema Sangwan. Parenting adolescence. *Ind J of Youth & Adolescent Health*. Vol 1, No 3 & 4 (2014).

Sakshi Singh, T K Ray, Ranjan Das, Abha Singh. Nutritional risk factors for gestational diabetes mellitus. *Ind J Com Health*. Vol 26, Supp S2, (2014)

Pritam Roy, Priyanka V, Manish Kumar Goel, S K Rasania. Measles eradication: Issues, strategies and challenges. *J Com Dis*. Vol 46, No 3 (2014).

Beena Joshi, Sanjay Chauhan, Achhelal Pasi, Ragini Kulkarni, Nithya Sunil, Damodar Bachani, Ranjit Mankeshwar. Level of suboptimal adherence to first line antiretroviral treatment & its determinants among HIV positive people in India. *Indian J Med Res*. 2014 Jul; 140(1): 84–95.

Kundan Mittal, Anupama Mittal, Manish Kumar Goel, Vikas Gupta. Lactation Support Counseling for Promoting Exclusive Breastfeeding During infant Critical Illness: *International Journal of Advancements in Research & Technology*, Volume 3, Issue 4, April-2014.

Dua Binny, T. K. Ray, B. Dhiman. Iodine content and consumption pattern of salt in households of Mehrauli, Delhi. *The Indian Practitioner*. Volume 67, Issue 7, July 2014.

Pritam Roy, Manish Kumar Goel, Sanjeev Kumar Rasania. Designing new growth charts for low-birth weight babies: Need of the hour in India. *Indian Journal of Public Health*, Volume 58, Issue 2, April-June, 2014.

Nidhi Gupta, Vibha, Jyoti Khandekar, Anju Jain, Sachin Gupta. Hypertension and its risk factors among postmenopausal women in Delhi. *Ind J Com Health*. Vol 26, No 4 (2014).

Isha Goyal, Manish Kumar Goel, S. Nagesh. Disaster relief workers: Health issues. *J Adv Research in Medicine*. Vol 2, No 1 (2015).

Pritam Roy, Dipshikha Maiti, Manish Kr Goel, SK Rasania. Kyasanur forest disease: An emerging tropical disease in India. *Journal of Research in Medical and Dental Science*, Vol. 2, Issue 2, April – June 2014.

Faculty Strength: Permanent - 11

Number of National Journals Subscribed

Indian Journal Of Community Medicine (IJCM) and Indian Journal of Public Health (IJPH) is subscribed by almost all faculty members other than many other individual journals related to Community Medicine/Public Health.

Number of International Journals Subscribed

15 journals are subscribed in institution library on various issues related to Community Medicine/Public Health.

COMMUNITY MEDICINE (UCMS)

Appointment of Faculty to Higher Posts/Assignments Outside

Visiting Faculty Assignments

Name	Assignment	Dates
Khan Amir Maroof	Invited lecture on 'Rabies-An epidemiological perspective' in a CME on Managing Animal bite to prevent Rabies at LNJP Hospital, Delhi	5 th June, 2014
Khan Amir Maroof	Invited as an expert on DD New program on Television on Animal bite and insect bite in Total Health	13 th July, 2014
Khan Amir Maroof	Invited as an expert on Sudarshan News Channel for a talk on Swine Flu	18 th February, 2015
Sharma Arun Kumar	Visiting faculty at the faculty of Management Studies, University of Delhi	November 2014-March 2015
Sharma Arun Kumar	Guest Faculty, Workshop on research methodology, Bhopal Memorial Cancer Hospital and Research Centre, Bhopal.	11 th -15 th March, 2015

Assignments in Academic Associations (National and International)

Khan Amir Maroof	Resource faculty for a Research methodology and Thesis writing workshop for Diplomate National Board Faculty at Kolkata invited by the National Board of Examinations, New Delhi.	13 th -15 th February, 2015
Khan Amir Maroof	Resource faculty for a Research methodology and Thesis writing workshop for Diplomate National Board Faculty of Kolkata invited by the National Board of Examinations, New Delhi.	10 th -11 th March, 2015
Upadhyay Madhu	Resource person for Training on Biological Effects of Radiation, Nuvia India, Delhi	4 th -5 th December, 2014

Honours/Distinctions

Name	Award	Date received
Khan Amir Maroof	Selected to the fellowship of the foundation of advanced international medical education and research (FAIMER) at CMC Ludhiana	February 2015

Other distinctions

Name	Distinction
Chaturvedi Sanjay	Mentor, CDC-NCDC Epidemic Intelligence Service (EIS) Program.
Chaturvedi Sanjay	Member-Technical Advisory Group, WHO study on Implementation of Clinical Establishment Act in India.
Chaturvedi Sanjay	Delivered Guest Lecture-“Community Medicine beyond classroom” at Joint Annual Conference of IAPSM and IPHA (Gujrat), Ahmedabad, 13 th December, 2014.
Sharma Arun Kumar	Under the Short Term Visiting Fellowship in Foreign Institute of the Department of Health Research, Ministry of Health & Family welfare, Govt. of India, awarded fellowship to visit University of Illinois, Urbana-Champaign, for enhancement of skills in Spatial-epidemiology. (March 2015)

Conferences Organized/ Attended

Name	Conference	Dates
Bhasin S K	2 nd International Conference on micronutrients and child health organized by Department of Human Nutrition Unit, AIIMS, New Delhi	3 rd -7 th November, 2014
Bhasin S K	2 nd International Conference on Occupational & Environmental Health, organized by OHS-MCS & Department of Community Medicine, MAMC, New Delhi.	26 th -28 th September, 2014
Chaturvedi Sanjay	Technical Advisory Group meeting, Bill & Melinda Gates Foundation grant on childhood pneumonia, Gurgaon.	17 th -18 th November, 2014
Chaturvedi Sanjay	IDRC-ILRI protocol development workshop for “PERIMILK” study on Bovine Tuberculosis and level of antibiotics in diary milk in India, Vadodara.	8 th -10 th September, 2014
Chaturvedi Sanjay	Eco Health global conference- 2014, Quebec, Montreal.	11 th -15 th August, 2014
Chhabra Pragti	21 st Annual Conference of National Association of Reproductive and Child Health of India (NARCHI) Delhi Branch, New Delhi.	7 th -8 th September, 2014
Khan Amir Maroof	CME on Horizons in Medical Education at CMC Ludhiana.	8 th February, 2015
Sharma, Arun Kumar	World Congress on Public Health, 2015 held at Kolkata, West Bengal.	11 th -15 th February, 2015

Special Grants/Projects

Principal Investigator	Title of the Project	Years	Funded by
Chaturvedi Sanjay Member-EcoHealth Research Core Group	PERIMILK study on Bovine Tuberculosis and level of antibiotics in dairy milk in India.	2014-2017	IDRC, Canada-ILRI- PHFI-IVRI

Publications

Raja JD, Bhasin S K. Health issue amongst call centre employees, an emerging occupational group in India. *Indian J Com Med*; 2014;3:175-7.

Kakkar M, Rogawski ET, Abbas SS, Chaturvedi S, Dhole TN, Hossain SS, Krishnan SK. Wishful thinking blurs interpretation of AES data in a high endemic region of India. *J Infect*. 2014 Nov; 69:520-1.

Chaturvedi S. World witnesses a tumultuous year while India reports an eventful decade in the long story of polio eradication [Dhanvantari Oration]. *Indian J Community Med*. 2014; 39:63-7.

INCLLEN study group (Arora NK, Pillai RN, Maheshwari M, Arya S, Dasgupta R, Chaturvedi S, et al). Bio-medical waste management: situational analysis and predictors of performances in 25 districts across 20 Indian States. *Indian J Med Res*. 2014;139:141-153.

Chhabra P. Maternal near miss: An indicator for maternal health and maternal care. *Indian J Community Med* 2014; 39:132-7.

Khan AM, Shah D, Chatterjee P. Data entry skills in a computer-based spread sheet amongst postgraduate medical students: A simulation based descriptive assessment. *J Fam Med Primary Care* [serial online] 2014 [cited 2014 cot 14]; 3:216-8. Available from: <http://www.jfmprc.com/text.asp?2014/3/3/216/141613>.

Sharma A. Sample size calculation for research studies in ophthalmology. *Current Indian Eye Research*. 2014; 1(2):78-81.

Bagaria A, Sharma A K. A knowledge and practices study of health hazards among animal handlers in zoological gardens. *International J Occupational Safety & Health*. 2014; 4(1):1-4.

Kayia PK, Sharma A K, Aggarwal K. Implementation of ICD 10: A study on the doctors' knowledge and coding practices in Delhi. *Indian j Public Health*. 2015; 59(1):68.

Upadhyay M. Assessment of a secondary level hospital in rural Delhi as per the Indian public health standard for 200 bedded hospital. *International Journal of Contemporary Medicine*. 2014; 2:2.

Chapters in books

Amir Maroof Khan. Sample Size Estimation. In: Gupta P, Singh N, editors. *How to write the thesis and thesis protocol: A primer for Medical, Dental and Nursing courses*. 1st ed. Delhi: Jaypee; 2014.

Amir Maroof Khan Converting Results to Text, Tables and Graphs. In: Gupta P, Singh N, editors. *How to write the thesis and thesis protocol: A primer for Medical, Dental and Nursing courses*. 1st ed. Delhi: Jaypee; 2014.

Other Significant Information

A significant addition in the department has been the starting of an outreach rural health centre namely Tikri Khurd for the teaching and training of interns residentially posted at RHTC Narela. In less than a year the centre has started functioning all days of week and daily OPD attendance of more than 100 patients.

DERMATOLOGY & STD (MAMC)

Activities and Achievements

The Department has fully equipped outpatient department catering to an average 600 patients per day. Minor O.T. services are also available daily. In addition, for the care of inpatients the department has two wards (separate for males, females and children) with a total strength of 41 beds. It also runs a full-fledged operation theatre 2 days a week where all minor and major dermatological surgeries including laser procedures are being carried out. Recently we have added state of art operating chair for the minor OT in the department. We are carrying out non-cultured melanocyte transfer technique for treatment of stable vitiligo. All latest chemical peels are being carried out in the department.

A pilot project in collaboration with IGIB is being carried out on antibiotic resistance in acne patients.

The department also runs daily and weekly special clinics. The department is also having a fully equipped seminar cum teaching hall with state of the art audio-visual facility including computer and scanning apparatus. It also has a regularly upgraded Departmental Library.

The department has the unique distinction of being the only medical college in North India with 4 state of the art lasers (Fractional Er Yag, IPL, Nd Yag (Q sw) and CO₂). We are in the process of acquiring Fr CO₂ laser.

Research work is being actively carried out with many publications in reputed international and national journals having been published this year as can be seen in the attached report. The faculty has achieved various honours in many reputed forums. Apart from that, the department has been actively engaged in service to the community.

Honours/ Distinctions

Dr. Vijay Kumar Garg :Awarded Prof. Ganpati Panja Memorial Award for Clinical Dermatology and Dermatopathology at 43rd National Conference of Indian Association of Dermatologists, Venereologists and Leprologist during Dermacon 2015, 12th -15th February 2015, Mangalore, India.

Invited for Mid-summer Dermacon, Aurangabad from 15th – 17th August as a central council member.

Chairperson of Government liason cell in central IADVL Body by the President, Dr. V. Mysore.

Invited as panelist for panel discussion on biologicals during the DERMACON 2015 at Mangalore by Dr. S. Pai, Chairman, Scientific Committee Dermacon.

Appointed advisor for ITATSA meeting held on 15th August 2014 by IADVL.

Dr. Rashmi Sarkar: Was elected as Honorary General Secretary, National IADVL(2014-15).

Was elected as Secretary General, Asian Society of Pigment Cell Research(ASPCR,2014-17).

Was awarded “Member making a difference” award from American Academy of Dermatology.

Dr. Vineet Relhan: IADVL Appreciation award for designing the National IADVL website at 43rd National Conference of Indian Association of Dermatologists, Venereologists and Leprologist during Dermacon 2015, 12th -15th February 2015, Mangalore, India.

Research Projects

A comparative evaluation of microneedling alone versus combined subcision and microneedling in post acne scars.

A clinico-pathological study of lichen planus pigmentosus.

A study of clinical spectrum and minimal erythral dose (MED) for NBUVB and UVA in Indian patients with photodermatitis.

To study clinical features and serum zinc and copper in vitiligo.

Clinico-pathological study with cytokine evaluation in psoriasis.

A study of clinical profile and oxidative stress in melasma.

Publications: 26

Acquired linear Becker's nevus on lower limb in blaschkoid pattern. Goel K, Relhan V, Bansal S, Garg VK. Indian J Dermatol Venereol Leprol. 2015 May-Jun; 81(3):328.

Bloom syndrome with extensive pulmonary involvement in a child. Relhan V, Sinha S, Bhatnagar T, Garg VK, Kochhar A. Indian J Dermatol. 2015 Mar-Apr; 60(2):217.

Immunomodulators in warts: Unexplored or ineffective? Sinha S, Relhan V, Garg VK. Indian J Dermatol. 2015 Mar-Apr; 60(2):118-29.

Black dot tinea capitis caused by *Trichophyton rubrum* in an adult female presenting with cicatricial alopecia. Keisham C, Sarkar R, Khurana N, Ghosh N, Garg VK, Manoj RK. Indian J Dermatol Venereol Leprol. 2015 Mar-Apr; 81(2):224.

Acquired port-wine stain in an adult male: First reported case from India with review of literature. Bansal S, Garg VK, Wadhwa B, Khurana N. Indian J Dermatol. 2015 Jan-Feb; 60(1):104.

Solitary eccrine syringofibroadenoma with nail involvement: A rare entity. Arora P, Bansal S, Garg VK, Khurana N, Lal B. Indian J Dermatol. 2015 Jan-Feb; 60(1):103.

Is frictional lichenoid dermatitis a minor variant of atopic dermatitis or a photodermatitis. Sardana K, Goel K, Garg VK, Goel A, Khanna D, Grover C, Khurana N. Indian J Dermatol. 2015 Jan-Feb; 60(1):66-73.

A rapid tattoo removal technique using a combination of pulsed Er:YAG and Q-Switched Nd:YAG in a split lesion protocol. Sardana K, Ranjan R, Kochhar AM, Mahajan KG, Garg VK. J Cosmet Laser Ther. 2015 Feb 20:1-7.

Hyperpigmentation along Blaschko lines. Barman KD, Sethi S, Garg VK, Khurana N. Indian J Dermatol Venereol Leprol. 2015 Jan-Feb; 81(1):66-8. doi:

Rising trend of antimicrobial resistance among *Neisseria gonorrhoeae* isolates and the emergence of *N. gonorrhoeae* isolate with decreased susceptibility to ceftriaxone. Bharara T, Bhalla P, Rawat D, Garg VK, Sardana K, Chakravarti A. Indian J Med Microbiol. 2015 Jan-Mar; 33(1):39-42.

A clinicotherapeutic analysis of Stevens-Johnson syndrome and toxic epidermal necrolysis with an emphasis on the predictive value and accuracy of score of toxic epidermal necrolysis. Bansal S, Garg VK, Sardana K, Sarkar R. Int J Dermatol. 2015 Jan; 54(1):e18-26.

Bansal S, Sardana K, Singh K, Garg VK. Concurrent hand-foot skin reaction and hair depigmentation with sunitinib: report of a case and literature review of kinase inhibitors and blocking antibodies. *Indian J Dermatol*. 2014 Nov; 59(6):588-91.

Sardana K, Garg VK. Antibiotic resistance in acne: Is it time to look beyond antibiotics and *Propionibacterium acnes*? *Int J Dermatol*. 2014 Jul; 53(7):917-9.

Sethi S, Sarkar R, Garg VK, Aggarwal S. Squamous cell carcinoma complicating Donovanosis: Not a thing of the past. *Int J STD and AIDS* 2014; 2:1-4.

Bansal S, Relhan V, Roy E, Garg VK, Khurana N. Disseminated *Molluscum contagiosum* in a patient on methotrexate therapy for psoriasis. *Indian J Dermatol Venereol Leprol*. 2014 Mar-Apr; 80(2):179-80.

Sarkar R, Aggarwal P, Garg V, Sonthalia S, Gokhale N. Melasma Update. *Indian Dermatol Online J* 2014; 5:426-35.

Sonthalia S, Arora R, Sarkar R. Pulsed dye laser for nail psoriasis: Not the first time and apparently not that efficacious. *Indian J Dermatol* 2014; 59:204.

Sonthalia S, Arora R, Sarkar R. Persistent skin donor site erythema: A simple physiological phenomenon. *Indian J Dermatol Venereol Leprol* 2014; 80: 180-81.

Sonthalia S, Khaitan P, Sarkar R, Arora R, Sharma S. Solitary violaceous plaque over the abdomen. *Indian J Dermatol* 2015; 60:108.

Bhattar S, Bhalla P, Rawat D, Tripathi R, Kaur R, Sardana K. Correlation of CD4 T-cell count and plasma viral load with reproductive tract infections/sexually transmitted infections in HIV infected females. *J Clin Diagn Res*. 2014 Oct; 8(10):DC12-4.

Sardana K, Ghunawat S. Rationale of using hypopigmenting Drugs and their clinical application in melasma. *Expert Rev Clin Pharmacol*. 2015 Jan; 8(1):123-34.

Sardana K. Lasers for treating striae: An emergent need for better evidence. *Indian J Dermatol Venereol Leprol*. 2014 Sep-Oct; 80(5):392-4.

Conferences Organized/Attended

Dr. Vijay K. Garg: Presented a series of talks on Syndromic Approach of STD, Cutaneous manifestations of HIV for Post Graduate Fellowship programme in HIV Medicine 2014 and he attended 43rd National Conference of IADVL, Dermacon from 12th-15th February 2015, Mangalore, India.

Dr. Kabir Sardana: Talk on Newer Depigmenting Agents IADVL Dehradun Dermato-aesthetic CME cum Workshop on 28th- 29th Sept 2014.

Dr. Rashmi Sarkar: Was invited faculty to speak at International Pigment Cell Conference from 4th to 7th September 2014 at Singapore on “Impact of pigmentary disorders in Indian patients” and Chaired the session on “Women Leaders in Pigment Cell Research” and she was invited faculty at 4th Continental Congress of Dermatology at Manila from 4th to 7th November 2014 to speak on “Pathogenesis of Atopic Dermatitis: Old and new.” And “Viral infections in children: An update” and to moderate session on “Premature Canities” at Hair India 2014 at Chennai from 29th to 30th August 2014 and was invited faculty to speak on “How to manage neonatal erythroderma” at Indian Society of Pediatric Dermatology Conference at Kolkata on 15-16 November 2014.

Dr. Vineet Relhan: Invited faculty at 3rd Onychocon held in September 2014, Mumbai and was chairperson at annual conference of IADVL Delhi branch held in December 2014. Invited faculty at DAAS summit, New Delhi, 2014.

Faculty Strength: Permanent - 08

Number of National Journals Subscribed : 04
Number of International Journals Subscribed : 06

MICROBIOLOGY (UCMS)

Major Activities and Achievements

The department is performing 40,000–45,000 diagnostic tests per month on samples received from different IPDs and OPDs of GTB Hospital. Processing of blood and body fluid is being done on regular basis on the Automated Blood and Body Fluid System BACTEC 9120. Antifungal susceptibility testing & genotyping of fungal isolates has been started. The research activities intensified in the molecular biology lab.

Outstanding Distinctions and Honours Achieved by the Faculty at National Level

Name	Distinctions/Honours	Date Received
Dr. Das Shukla	Dr. A.M. Saoji & Dr. S.R. Sengupta Memorial award (Gold Medal) in Superantigen influenced T cell proliferation and cytokine production in SLE	MICROCON 2014 at Jaipur
	Best Oral Presentation Impaired T cell response to Candida antigens in Pemphigus – Role in deteriorating the disease process	SIHAM, Coimbatore 2014
Dr. Saha Rumpa	Felicitated by Indian Medical Association, Headquarters for Editing and Contributing Chapters for the Book entitled “Rational Use of Antimicrobials : Indian Perspectives” released by Sri Lov Verma	24 th December 2014 at IHC, Delhi

Research Projects

Principal Investigator	Title of the Project	Years	Funded by	Grant (Rs.)
Dr. VG Ramachandran	Transcriptome analysis for identification of novel biomarker for disease progression in Dengue patients.	Three	DBT	1 Crore 39 lakhs

Dr. Shukla Das	Epidemiology, pathogenomics, and system biology of <i>A. flavus</i> infections in India - an integrative approach.	2012-2015	DBT	37,80,000
Dr. Shukla Das	T17 Treg cell differentiation in vitro functional responses in <i>Penphigus vulgaris</i> .	2012-2015	DST	48,00,000
Dr. Rumpa Saha	Prevalence of ESBL producing <i>Escherichia coli</i> from fecal isolates and its correlation with putative virulence determinants.	April, 2014 for 3 years	UGC	12,31,800

Inter Institutional Collaborations

National Institute of Immunology, Delhi
 Institute of Genomics & Integrated Biology Delhi
 Environmental School of Studies, Delhi University
 Institute of Cytopathology & Oncology, Noida

Publications

Total no. of publications: 31

Total no. of publications in national journals : 18

Total no. of publications in international journals : 13

Tiwari U, Ramachandran VG, Das S, Kumar S. Interleukin-3 and interleukin-17 do not play a dynamic role in the immunopathogenesis of osteoarticular tuberculosis. *Indian J Tuberc.* 2014 Apr; 61(2):142-7.

Kashyap B, Tiwari U, Garg A, Kaur IR. Diagnostic utility of anti-CCP antibodies and Rheumatoid factor as inflammatory biomarkers in comparison with C-reactive protein and TNF alpha in rheumatoid arthritis. *Tropical J Med Res* 2015; 18(1): 5-9.

Kashyap B, Jhamb R, Kaur T, Garg A, Kaur IR. Clinico-demographic profile and status of Hepatitis B immunization among chronic kidney disease patients seeking tertiary hospital care. *J Immunological Tech Infect Dis* 2014; 3:1. doi:10.4172/2329-9541.1000121.

Priyamvada Roy, Ashwani Kumar, MMA Faridi, Iqbal R Kaur, Bineet Kashyap. Clinico-bacteriological profile of neonates born with lack foetus f septicemia. *Indian Journal of Neonatal Medicine and Research*, 2014; 8934.

Priyamvada Roy, Ashwani Kumar, Iqbal R. JKaur, MMA Faridi. Research letter gender differences in outcomes of low birth weight & preterm neonates: The role disadvantage. *Journal of Tropical Paediatrics*, 2014.

S Rai, D Das, DK Niranjana, NP Singh, IR Kaur. Carriage prevalence of carbapenem-resistant Enterobacteriaceae in stool samples: A surveillance study. *The Australasian Medical Journal* 2014;7 (2):64.

S Rai, DK Niranjana, T Kaur, NP Singh, V Hada, IR Kaur. Detection of the classical G2576U mutation in linezolid resistant Staphylococcus aureus along with isolation of linezolid resistant *Enterococcus faecium* from a patient on short-term linezolid therapy: First report from India. Indian Journal of Medical Microbiology 2015; 33 (1):21.

Kiran Mishra, Shukla Das, Surbhi Goyal, Chhavi Gupta, Gargi Rai, Mohammad A Ansari, Rumpa Saha, Archana Singal. Subcutaneous mycoses caused by Rhytidhysterion species in an immunocompetent patient. Medical Mycology Case Reports, 5 (2014) 32–34.

M. Rani, S. Das, P. Batra, M. Meena. ‘A rare presentation of candidiasis: congenital cutaneous candidiasis in a neonate born to an asymptomatic mother’. International Journal of Basic and Applied Medical Sciences MS No. JMS 2015/05/01/028.

Saha R, Arora S, Das S, Gupta C, Maroof KA, Singh NP, Kaur IR. Detection of biofilm formation in urinary isolates: need of the hour. J Res Biol. 2014; 4(1): 1174-1181.

Rumpa Saha, Shukla Das, Kaustuv De, Taru Singh, Ankita Kumari. Fecal Carriage of Escherichia coli from Pediatric Patients with Diarrhea and Asymptomatic Healthy Individuals. J Global Infect Dis. Oct-Dec 2014; 6(4):194.

Conferences Organized/Attended

Conferences attended at national level : 06
 Conferences attended at international level : 02

Name	Conference Attended at National Level	Date
Dr. I.R. Kaur	MICROCON 2014, XXXVI National Conference of Indian Association of Medical Microbiologists 2014, at Jaipur.	17.10.2014 - 19.10.2014
Dr. N.P. Singh	MICROCON 2014, XXXVI National Conference of Indian Association of Medical Microbiologists 2014, at Jaipur	17.10.2014- 19.10.2014
Dr. Shukla Das	FISF (Fungal Infection Study Forum) Mycology study at Kolkata Indian Association of Medical Microbiologists – Delhi Chapter at IHC Delhi CME: CLSI guidelines –antimicrobial susceptibility testing	13-16 th Nov. 2014 20 th Feb. 2015 19-20 th Mar. 2015
Dr. Rumpa Saha	The VIII National Congress of the Indian Academy of Tropical Parasitology; Tropacon-2014 at RMRC, Dibrugarh.	21st – 22nd Nov. 2014
Name	Conference Attended at International Level	Date
Dr. Shukla Das	European Society of Clinical Microbiology & Infectious Diseases (ESCMID), Delhi. 15 th International Congress of the International Federation of Infection Control(IFIC) & XIII	19-21 st March 2015

	National Conference of Hospital Infection Society (HISICON), Delhi.	22-24 th March 2015
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Number of Ph.D/M.Phil Degrees Awarded: 04

Faculty Strength: Permanent - 6

Number of National Journals Subscribed (online + paperback version)

Microbiology: 01; Total = 52

Number of International Journals Subscribed (online + paperback version)

Microbiology: 05; Total = 134

MICROBIOLOGY (MAMC)

Activities and Achievements

Dr. Beena Uppal and her team have reported the 1st ever whole genome sequencing of Enteropathogenic Escherichia coli serotype O146 named as MAMC 18. The genome has been reported and annotated by the American Society of Microbiology in the gene announcements Feb 2015 issue. The gene is deposited at the DDBJ/EMBL/Gen Bank/NCBI (National Centre for Bioinformatics) USA with an accession number JWHN00000000.

Dr. Beena Uppal got MAMC Alumnus Award 2014.

Honours/Distinctions

Dr. Beena Uppal: Appointed as the Head of Medical Microbiology, Faculty of Medical Microbiology, University of Delhi. Chairperson of purchase committee for setting up the Institute of Biliary and Liver Diseases (ILBS), Rajiv Gandhi Superspeciality Hospital and Baba Saheb Ambedkar Medical College in New Delhi.

Dr. Anita Chakravarti: President, IAMM Delhi Chapter 2014 MAMC, New Delhi. Organizing President for Micro D Con 2014, 6th Annual Conference on Molecular Diagnostics in critical care to change outcomes Delhi. Chairperson at the international workshop of British Society for Antimicrobial Chemotherapy at Delhi. 24-25th November 2014.

Dr. C.P. Baveja: Chairperson for 'PG session' at 6th Annual Conference of IAMM-DC, Delhi Chapter on 29th Nov. 2014 at India Habitat Centre, New Delhi. Coordinator for the workshop 'Antimicrobial Stewardship in Hospitals' held at India Habitat Centre on 27-28 Nov 2014 in collaboration with the British Society for Antimicrobial Chemotherapy.

Dr. Ravinder Kaur: Invited speaker and delivered a lecture on "Fungal infections in HIV/AIDS patients" at National conference of IAMM 17th-19th Oct, 2014, at S.M.S Medical college, Jaipur. Invited as Chairperson session on "Automation in Microbiology" at National Conference of IAMM 17th-19th Oct, 2014, at S.M.S Medical college, Jaipur. Expert and Judge of poster presentations at Annual Conference, Delhi Chapter IAMM 28th-29th November, 2014 at IHC, Delhi.

Research Projects

Integrated Counseling and Testing Centre (ICTC) under NACO and DSACS: ongoing (Dr. P. Bhalla).

Pan India distribution of pneumococcal serotypes causing invasive pneumococcal disease & pneumonia in children between 6 weeks to 5 years & their antimicrobial resistance. (ongoing) (Dr. B. Uppal).

Prospective dengue seroprevalence study in 5 to 10 year-old children in India. Sanofi Pasteur ongoing project 2014. (Dr. A. Chakravarti).

Identification of *Candida* species isolated from HIV/AIDS patients and Antifungal susceptibility pattern. Govt. of NCT of Delhi (Dr. R Kaur).

Developing a neonatal sepsis registry and studying molecular epidemiology of bacterial isolates and their antimicrobial resistance-A multicentre study. ICMR. Ongoing project (Dr. S. Kumar).

Publications: 27 National and International Publications

Bhattar S, Mehra B, Singh I, Bhalla P. Is scrub typhus a cause of febrile illness among paediatric population of Delhi? *J Clin Diagn Res.* 2015 Mar; 9(3):DL02.

Mehra B, Bhattar S, Bhalla P. HIV/AIDS awareness among VCT Clients: A cross-sectional study from Delhi, India. *BioMed Research International*, Volume 2014 Article ID 269404.

Uppal B, Perween N, Aggarwal P, Kumar S. A comparative study of bacterial and parasitic intestinal infections in India. *J Clin Diagn Res.* 2015 Mar; 9(3):DC01-4.

Rajeshwari K, Uppal B, Singh R, Malakar AK, Chikara SK. Draft Genome of *Escherichia coli* O146 Isolate from Maulana Azad Medical College, New Delhi, India. *Genome Announc.* 2015 Feb 5; 3(1). doi: 10.1128/genomeA.01515-14.

Karra VK, Gumma PK, Chowdhury SJ, Ruttala R, Polipalli SK, Chakravarti A, Kar P. IL-18 polymorphisms in hepatitis B virus related liver disease. *Cytokine.* 2015 Mar 20;73(2):277-282. doi: 10.1016/j.cyto.2015.02.015.

Chakravarti A, P Roy. Comments on 'Current emerging situation of dengue in India': with regard to the clinical and laboratory characteristics of paediatric dengue in India. *Trop Doct.* 2014 Oct; 44(4):246-7.

Baveja CP, Perween N, Aggarwal P. Urinary Tract Infections in Tertiary Care Hospital in North India: Etiology and Antimicrobial Susceptibility Pattern. *Journal of Medical Science and Clinical Research.* 2014; (2)11:2940-6.

S Kumar. *Mycoplasma pneumoniae* : An underrated pathogen in pediatric community-acquired lower respiratory tract infections. *Indian J Med Res* 2014– In Press.

Kaur R, Goyal R, Dhakad MS, Bhalla P, Kumar R. Epidemiology and Virulence Determinants including Biofilm Profile of *Candida* Infections in an ICU in a Tertiary Hospital in India. *Journal of Mycology* Volume 2014, Article ID 303491, 8 pages.

Conferences Organized/Attended

Organized XIII National conference of HISICON, Preconference Satellite Workshop on “Implementation and monitoring of infection prevention program in healthcare setting” held at Maulana Azad Medical College, New Delhi on 21st March 2015.

Started Biomedical Waste Management and Training Programme in MAMC.

Workshop on “Phage Typing of *Staphylococcus aureus*” was held for MD students from LHMC, UCMS, VPCI & MAMC in January, 2015.

Two Workshops on “CD4 - Good Laboratory Practices and Blood Collection” for ART technicians in August 2014.

Two workshops on “EQAS for HIV Testing” for laboratory technicians from linked HIV testing centres conducted by SRL , MAMC.

Number of Ph.D/M.Phil Degrees Awarded: 1

Faculty Strength: Permanent - 9

MAULANA AZAD MEDICAL COLLEGE

Activities and Achievements

Won the prestigious FICCI Healthcare Excellence Award for Skill Development in September 2014. MAMC has reported the first complete whole genome sequencing and annotation of the genome of enteropathogenic Escherichia coli serotype 0146 named as MAMC18 strain (after the institution and ward 18 of Lok Nayak Hospital where the patient was admitted) and deposited at the National Centre for Biotechnology (NCBI) USA. Launch of multi-speciality scientific journal "MAMC Journal of Medical Sciences" in 2015. Department of G.I. Surgery, GIPMER has started Liver Transplant Programme. CDC, Department of Paediatrics received Tandem Mass Spectrometry attained Accreditation from CDC, Atlanta. In Lok Nayak Hospital, a new Accident & Emergency block has been developed, which consists a large casualty area on the ground floor and an OPD registration area (Computerized OPD registration has been started). A new 450-bedded Orthopedics block has become operational recently wherein the OPD, physiotherapy and occupational therapy facilities have started functioning.

Honours/Distinctions

Dr. Anil Agarwal, Dir. Professor & HOD, G.I. Surgery, GIPMER received fellow of Royal College of Surgeon England.

Dr. Poonam Bhadoria, Dir. Professor, Anesthesia published two papers in American Thoracic Society International Conference 2014, at San Diego, California, USA.

Dr. K. N. Saxena, Professor, Anesthesia appointed as Rater for the McMaster Online Rating of Evidence (MORE) System offered through the Health Information Research Unit of McMaster University, Canada.

Dr. Bijaylaxmi Sahoo, Professor Dermatology invited as Reviewer for Photodermatology and Immunology at Boston University.

Dr. S. Anuradha, Professor Medicine awarded Fellowship of the Royal College of Physicians of Edinburgh (FRCP Edin) by the Royal College of Physicians, Edinburgh, U.K.

Research Projects

A study of genetic alterations (RIZ-1 gene) in the disease progression of chronic myeloid leukemia patients.

A study of genetic alterations (role of microRNA) in breast cancer patients.

Evaluation of effects of environmental pollutants in the pathogenesis of various cardiac respiratory disease in traffic police personal.

A study of electrode buffer pH on electrophoretic mobility of both A and B chains of different type of insulin.

Identification of dengue virus NS5 protein region responsible for interleukin-8 transcription and secretion.

Library Development

ERMED (Electronic Resources of Medicine) membership has been renewed this year too, and our users have access to thousands of medicine and allied disciplines journals through this consortium. MAMC can access 239 journals through this system. Subscribed 171 journals, 130 of them are available online too. 550 new books are purchased.

Publications

Dr. Deepak K. Tempe- Why do we not toe the line drawn by the National Institute for Clinical Excellence for internal jugular vein cannulation? *British Journal of Anaesthesia*.

Dr. U. C. Verma- Cost analysis of three techniques of administering sevoflurane. *Anesthesiology Research and Practice*.

Dr. Neelam Vasudeva- Morphometric study of the styloid process of temporal bone. *Journal of Clinical and Diagnostic Research*.

Dr. Alpana Saxena- Association of 18bp insertion/deletion polymorphism, at -2549 position of VEGF gene, with diabetic nephropathy in type-2 diabetes mellitus patients of north Indian population. *Journal of Diabetes & Metabolic Disorders*.

Dr. P. C. Ray- Multifunctional biocompatible graphene oxide quantum dots decorated magnetic nanoplatfrom for efficient capture and two-photon imaging of rare tumor cells. *ACS Applied Materials & Interfaces*.

Dr. G. K. Ingle- Attitude of medical students towards occupational safety and health: A multi-national study. *The International Journal of Occupational and Environmental Medicine*.

Dr. V. K. Garg- A prospective study comparing ultrapulse CO2 laser and trichloroacetic acid in treatment of Xanthelasma palpebrarum. *Journal of Cosmetic Dermatology*.

Dr. Reva Tripathi- Massive spontaneous intraperitoneal hemorrhage in a young female with chronic immune thrombocytopenic purpura masquerading as ruptured ovarian cyst: Successful nonsurgical management of this rare catastrophic event. *Pediatric Emergency Care*.

Dr. Anjali Tempe- The case of sacrococcygeal teratoma in an IVF pregnancy: Is there any association between congenital tumors and assisted reproduction techniques? *Journal of Reproduction & Infertility*.

Dr. P. Kar- IL-18 polymorphisms in hepatitis B virus related liver disease. *Cytokine*.

Faculty Strength: Permanent – 27: Temporary - 15

Extension and Outreach Work

Number of camps organized in the surrounding areas
Blood Donation Camp- 44

Hepatitis B Vaccination for social worker- 01
Orthopedics Camp- 3 (in Saharanpur, UP)

Number of people enrolled/covered in the camps
Blood Donation Camp- 3000
Hepatitis B Vaccination for Social worker- 26 Orthopedics Camp- 200 (in Saharanpur, UP)

Number of students who worked in the camps
Blood Donation Camp- 200
Hepatitis B Vaccination for Social worker- 10
Orthopedics Camp- 35 (in Saharanpur, UP)

Total number of hours dedicated to these camps
Blood Donation Camp- 355 hours
Hepatitis B Vaccination for Social worker- 24 hours
Orthopedics Camp- 24 hours

Student Numbers Under Exchange Programme

Undergraduate inbound/outbound exchange students: 01 (One student from Ataturk University, Erzurum, Turkey joined for training in MBBS course).

Number of International Journals Subscribed (online + paper back version) : 149

Number of National Journals Subscribed (online + paper back version) : 36

OBSTETRICS & GYNAECOLOGY (MAMC)

Activities and Achievements

Fellowship of National Board in “Reproductive medicine” was started in the department in this year. The candidate who ranked first in entire country gave the choice for IVF & Reproductive Biology Centre, Department of Obstetrics and Gynecology, MAMC.

“17th practical course & CME in OBGY” was conducted by the department. of OBGY in August 2014. In this course from all over India more than 300 postgraduate students came and the entire faculty gave lectures and case discussions. This CME was appreciated by all the postgraduates. A book titled “Handbook on Labor management and puerperium” was published from the department where all faculty members contributed chapters.

There were 124 IUI procedures were done for infertile patients with success rate of 15%. During this year 389 cases of IVF/ICSI procedure were done with success rate of 36.2%. Total numbers of 788 major gynecological surgeries were performed. Total 2000 ultrasonography was done.

Honours/ Distinctions

Awarded 30th Dr. S Radhakrishnan Memorial National Teachers Award 2014 to Dr. Sudha Prasad.

Research Projects

Total number: 02

S. No.	Title of the Project	Principal Investigator	Funding Agency
1	“To Study the counseling with yoga based stress management on clinical pregnancy uterine artery blood flow parameters in women undergoing assisted reproduction” ongoing from March 2014.	Dr. Sudha Prasad	ICMR
2	“A study of maternal nutrition in hepatitis E during pregnancy and its role in vertical transmission” ICMR Reference No. 5/7/585/11-RHN dated 27.03.2012. w.e.f. August 2012.	Dr. Ashok Kumar	ICMR

Publications

Original research articles : 13
Case reports : 03
Books : 01

Sudha Prasad, Rupali Bassi, Yogesh Kumar, Ashok Kumar, Saumya Prasad. “Treatment options of endometriosis prior to IVF/ICSI cycles to improve conception rate”. Taiwanese Journal of Obstetrics and Gynecology. Manuscript ID: 2014-009.

Singh N, Tripathi R, Mala YM, Yedla N. Breast stimulation in low risk primigavidas at term: Does it aid in spontaneous onset of labour and decreasing postpartum? A randomized controlled study. Biomed Res Int. 2014; 2014:695037. doi: 10.1155/2014/695037. Epub 2014 Nov 27.

Singh N, Varshney P, Tripathi R, Mala YM. Diagnostic and therapeutic dilemma in the management of primary small-cell neuroendocrine tumour of the cervix. J Obstet Gynaecol. 2014 Jul 10:1-2.

Kumar A, Devi SG, Kar P, Agarwal S, Husain SA, Gupta RK, Sharma S. Association of cytokines in hepatitis E with pregnancy outcome. Cytokine 2014, 65(1): 95–104.

Gupta S, Tempe A and Sahu L. Supplementation with estradiol valerate and gonadotropins in clomiphene citrate stimulated IUI cycles, IJBAR (2014) 05 (04):211-14.

Makkar B, Batra S, Gandhi G, Zutshi V, Goswami D. Vaginal misoprostol versus vaginal estradiol in overcoming unsatisfactory colposcopy. Gynecol Obstet Invest. 2014; 77(3):176-9.

Gupta A, Rathore A.M, Manaktala U, Gupta A, Gupta S. Role of intravenous iron sucrose in correction of anemia in antenatal women with advanced pregnancy. Indian J Hematol Blood Transfus. 2015 Jun; 31(2):251-4.

Sahu L, Singh S, Tempe A, Koner BC. A randomized comparative study between low-dose magnesium sulphate and standard dose regimen for management of eclampsia. Int J Reprod Contracept Obstet Gynecol. (2014), [cited January 06, 2015]; 3(1): 79-86.doi:10.5455/2320-1770.ijrcog20140316.

Kumar A, Begum N, Prasad S, Lamba AK, Verma M, Agarwal S, Sharma S. Role of cytokines in development of preeclampsia associated with periodontal disease – Cohort study. J Clin Periodontol 2014; 41: 357–365 doi: 10.1111/jcpe.12226.

Conferences Organized /Attended

Dr. Sudha Prasad In 10th annual conference of IFS 19th – 21st December 2014. Chaired sessions on – PCOS: Is there a best protocol in ART. Imaging in infertility. Can the management of unexplained infertility ever be evidence based?

Dr. Sudha Prasad attended 5th Congress of the Asia Pacific Initiative on Reproduction, Brisbane, Australia from 3rd to 10th April 2014.

Dr. Anjali Tempe attended - Annual national meeting of gynae. Endocrine society at Delhi in Sept. 2014. Chaired a session on infertility in the annual OBST. GYNAE. SOCIETY MEET in Delhi.

Dr. Anjali Tempe attended IFS (annual national meeting of Indian fertility society, Pune, Dec 2014. Presentations-1)"An interesting case of post. Urethral valve in the fetus of IVF pregnancy". 2) Paper presentation -" Is AMH a better predictor than AFC in patients with diminished ovarian Reserve" by. 3 "Hysteroscopy before IVF- what is the evidence?" delivered a lecture. 4) Chaired a session in the workshop. On USG in infertility.

Dr. Ashok Kumar- Chairperson for Preconference Workshop “Obesity- Basic management Course” – organized under 4th National Conference on Gynae Endocrinology -2014 on 25th April, 2014, New Delhi, India.

Dr. Ashok Kumar- Member of panel discussion: Strategies for reducing maternal mortality: 57th All India Congress of Obstetrics and Gynecology (AICOG); 1st - 5th February 2014, Patna.

Faculty Strength : Permanent - 17

Number of National Journals Subscribed (online+paper back version): College library

Number of International Journals Subscribed (online+paper back version): College library

OBSTETRICS & GYNAECOLOGY (UCMS)

Activities and Achievements

We fetched many awards and prizes in various national conferences for best paper and poster presentations. Again it is repetition of history we got prestigious R.D. Pandit award for best thesis writing in obstetrics and gynaecology. In our department we created a separate labor room for low risk patient as labor room – I (LR 1) and we started obstetrics intensive care unit in CLR and also started “One Stop Centre” for sexual assault survivor as per Govt. guidelines.

Distinctions Achieved by the Faculty at National and International Level

Awards:

Name	Award	Date Received
Bansal Megha (Guide: Dr. Neerja Goel)	RD PANDIT FOGSI award	Jan 2015
Gupta Anu (Guide: Dr. Shalini Rajaram)	Free Communication Miscellaneous Comparison of or meloxicfene and oral contraceptive pills in management of heavy menstrual bleeding.	5 th & 6 th September 2014

Majumdar Darshna (Guide: Dr. Kiran Guleria)	Gold medal for best research paper award 'Organochlorine Pesticides And Gene Expression In Epithelial Ovarian Cancer.	24-25 th Oct. 2014
R. Shruthi (Guide: Dr. Rachna Agarwal)	3rd prize in Free Communication – Miscellaneous category in National Conference of IFS, Pune. 1st Prize oral paper presentation of "Evaluation of dehydroepiandrosterone supplementation on diminished ovarian reserve" at 21st Annual Conference NARCHI, New Delhi.	Dec. 2014. 6 th – 7 th Sept. 2014
Radhakrishnan Gita	FOGSI CORION Award Senior Category	Jan 2015
Rajaram Shalini	Awarded Fellowship of National Academy of Medical Sciences.	18 th October 2014.
Sharma Richa	3 rd Prize- paper presentation "Preterm premature rupture of membranes and ascorbic acid levels" at north zone yuva fogsfi conference. Best case report prize – E poster 'Paraneoplastic cerebellar degeneration a – rare complication of ovarian malignancy" at 21 st Annual Conference NARCHI, Delhi branch.	11 th – 13 th April 2014 6 th -7 th September, 2014
Shikha (Guide: Dr. Amita Suneja)	Bronze Medal for medal "comparison of Inj.ferric Carboxymaltose	24 th -25 th Oct. 2014
Singh Anju (Guide: Dr. Kiran Guleria)	RD PANDIT FOGSI award	Jan 2015
Singh Anju (Guide: Dr. Kiran Guleria)	Theme Prizes (Indrani Ganguly Award) for 'Evaluation of Maternal Early Obstetric Warning System MEOWS as a predictor of obstetric morbidity: A prospective observational study' in 21st Annual Conference, NARCHI , Delhi Branch.	5 th & 6 th September 2014

New Significant Facility Created

Creation of separate labor room for low risk patient room named as labor room – I (LR 1).

A separate obstetrics intensive care unit has been made functional, in which 2 dedicated rooms for eclampsia, heart disease, severe PIH and severe anemia cases etc. are managed.

A "One Stop Centre" for sexual assault survivors as per Govt. guidelines established.

Seminars/Conferences Organized

21 st Annual Conference of NARCHI, SCOPE Complex, New Delhi.	6 th & 7 th September, 2014
First young NARCHIAN CME on "Standard Operating Procedures of Labor and Obstetric Emergencies"	14th September 2015

Monthly CME – On Community Awareness Programme Under NARCHI	2 nd Friday of every months
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Seminars/Conferences Attended

Name	Name of the conference/cme and place	Dates
All faculty members	21 st Annual Conference of NARCHI, SCOPE Complex, New Delhi.	6 th & 7 th September, 2014
All faculty members	First young NARCHIAN CME on "Standard Operating Procedures of Labor and Obstetric Emergencies"	14th September 2015
Agarwal Rachna	Poster presentation in 21 st Annual Conference NARCHI, New Delhi, "Postpartum hematuria: a challenging case". Poster presentation in 54th Annual conference NAMSCON, AIIMS, Rishikesh. "Colour Doppler imaging prediction of placenta accreta."	September 2014 October 2014
Rajaram Shalini	15th Biennial Meeting of the International Gynecologic Cancer Society, Melbourne Australia. Delivered guest lecture 'How to Establish a Gynecological Oncology Unit': The 'Developing' country model. Repair of Vault Prolapse - Sacrospinous Fixation - Is it Inferior to Laparoscopic sling? Theme: 'Gynecological Surgeries' North Zone Yuva FOGSI 2014, Faridabad, Haryana 'Gynaecological malignancies in the reproductive age group' CME, Fertility Preserving Society of India, IHC Delhi 'Hyperprolactinemia & Infertility' in CME on Hormone Dysfunction & Infertility at ESI-PGIMSR Panelist on 'Panel Discussion on Metabolic Syndrome: Inside Out at the Dermatology & Allied Specialties Summit' Chair Person, "Current role of HPV in cervical cancer screening and current evidence status of HPV vaccination", , "GOG trials update on current status of SLNB in carcinoma cervix & Vulva" Judge: "Best free paper and video session", "International Live Operative Workshop and Master Class In Gynecologic Oncology, Manipal Hospital, Bangalore. Moderator, Panel discussion on 'Management of Gestational Trophoblastic Neoplasia' 36th Annual Conference of Association of Obstetricians and Gynaecologists of Delhi. Guest lecture. 'HPV Vaccine and	8-11 th November, 2014 11th -14th April, 2014 12th July, 2014 24 th July, 2014 25th -27th July, 2014 14th & 15th September 2014 25th & 26th October, 2014

	Prevention of Cervical Cancer'. Symposium on HPV vaccine for primary prevention of cervical cancer, Cancer Foundation of India, Chennai. Moderator 'Consensus cervical cancer prevention – HPV vaccination –Consensus in incorporating into clinical practice'. 22nd Annual Conference of the Association of Gynecologic Oncologists of India, , Patna	9th December 2014 12-14th December 2014
Sharma Richa	36 th Annual conference of the Association of obstetrics and gynaecologist of Delhi "Serial Changes In Pulmonary Haemodynamics During Pregnancy - A Non-Invasive Study Using Doppler Echocardiography"	Oct 2014
Singh Neelanchali	Poster presentation on Maternal and Fetal Outcome in pregnant women with Takayasu Aortoarteritis: Does optimally timed intervention in renal arterial involvement improve maternal outcome? In Royal College of Obstetrics and Gynaecology Conference, Hyderabad Free Communication paper on Comparison of antiresorptive effect of Hormone therapy and Ibandronate in postmenopausal women by assessing type I collagen C-telopeptide levels in Annual GESI Conference Free Communication paper on Obstetric Outcome after Hysteroscopic Septum Resection in Patients with Uterine Septa of Various Sizes in Annual DGES and IAGE Conference	March 2014 March 2014 Sept. 2014
Singh Alpana	Poster presented 21 st Annual Conference of NARCHI, SCOPE Complex, New Delhi. Title: "A fall can cause a horrific complication: a case report". Poster presented in 36 th Annual Conference of AOGD held at New Delhi, Title "Early diagnosis of inincephaly"	6 th & 7 th September, 2014 Oct. 2014

Special Grants/Projects

Principal Investigator	Title of the Project	Years	Funded by
Dr. Kiran Guleria	Co-investigator in 'Gene- Environment interaction and high risk of epithelial ovarian cancer' (collaboration with Department. of Biochemistry).	2012- 2015	ICMR
Dr. Kiran Guleria	Co-investigator in 'Causes, risk factors and outcome of maternal morbidity in East Delhi: population and hospital based study' (ICMR project in collaboration with Department. of Community Medicine) .	2012 – 2015	ICMR

Funded Projects Completed

Principal Investigator	Title of the Project	Funded by	Grant Rs.
Dr. Kiran Guleria	CORONIS Trial; The International CAESER Study-a follow up study (2011-2014)	NEU, Oxford, UK	Central grant to AIIMS
Dr. Kiran Guleria	Co-investigator in "A Study on Gene-Environment interaction and high risk phenotypes in etiology of Preterm birth in North Indian population" (ICMR project in collaboration with Department. of Biochemistry).	ICMR	

Publications

Sweta Lal, Alpana Singh, Neerja Goel. Acute gynaecological emergency caused by ruptured. Journal of Evolution of Medical and Dental Sciences 2014; Vol. 3, Issue 21, May 26; 5705-5710.

Pandey D, Garg D, Singh A. Rare asymptomatic presentation of omental mass from cesarean stitchline. J Basic Clin Reprod Sci 2014; 3:130-2.

Alpana Singh, AG Radhika, Ritu Khatuja, Rachna Agarwal, Gita Radhakrishnan. Diagnostic dilemma in benign condition of cervix: A case report. International Journal of Scientific Study. 2014; 1(6):46-47.

Singh, A., Mishra, V., Arun, D., Suneja, A. and Sharma, A. Management dilemma in case of abdominal pregnancy: A case report. Open Journal of Obstetrics and Gynecology, 4, 899-902.s.

Radhika, Himsweta , Vijai Gandhi, Kiran Guleria, Gita Radhakrishnan. Interesting case of Vulval Lymphangiectasia following tubercular lymphadenitis. Landmark Research Journals Medicine and Medical Science(LRJMMMS) Vol 1 issue 1, April 2014.

Narang Y, Vaid N B, Jain S, Suneja A, Guleria K , Faridi MMA , Gupta B. Umbilical cord arterial blood analysis in neonates born with nuchal cord . Archives of Obstetrics and Gynecology. 2014; 289(4):795-801.

Vaid K, Mehra S, Verma M, Jain S, Sharma A, Bhaskaran. S Pan endoscopic approach - "Hysterolaparoscopy" as an initial procedure in selected infertile women". Journal of Clinical and Diagnostic Research. 2014; 8(2):95-98.

Jain S, Sharma A, Guleria K, Suneja A, Vaid NB. Innovations in vaginoplasty using fibrin glue along with vacuum expandable condom mold. BJOG. 2014; 121 (2):43.

Mundhra R, Jain S, Suneja A, Guleria K, Gami N, Vaid NB. Neurenteric cyst – a rare cause of pelvic cyst in pregnancy. BJOG. 2014; 121 (2):188.

Kaur G, Jain S, Sharma A, Vaid NB. Hematometra formation- A rare complication of cesarean delivery. J Clin Diagn Res. 2014; 8(8):OD03-4. doi: 0.7860/JCDR/2014/8364.4689. Epub 2014 Aug 20.

Gupta B, Vaid NB, Suneja A, Guleria K, Jain S. Anterior vaginal prolapse repair: A randomised trial of traditional anterior colporrhaphy and self-tailored mesh repair. South African Journal of Obstetrics and Gynaecology 2014; 20(2):47-50.

Nilanchali Singh, Reva Tripathi, Yedla Manikya Mala, Niharika Yedla. Breast stimulation in low-risk primigravidas at term: Does it aid in spontaneous onset of labour and vaginal delivery? A pilot study. *BioMed Research International*, 2014.

Nilanchali Singh, Varshney P, Tripathi R, Mala YM. Diagnostic and therapeutic dilemma in the management of primary small-cell neuroendocrine tumour of the cervix. *J Obstet Gynaecol*. 2014; Jul 10:1-2.

Nutan Agarwal, Smita Singh, Alka Kriplani, Neerja Bhatla, Nilanchali Singh. Evaluation of gabapentin in management of hot flushes in postmenopausal women. *Post Reproductive Health, formerly Menopause International*. 2014; 20(1): 36–38.

Reva Tripathi, Shakun Tyagi, Nilanchali Singh, Yedla Manikya Mala, Chanchal Singh, Preena Bhalla and Siddhartha Ramji. Can preterm labour be predicted in low risk pregnancies? - Role of clinical, sonographic and biochemical markers. *Journal of Pregnancy*. 2014, doi:10.1155/2014/623269.

Bindiya Gupta, Nilanchali Singh, Shalini Rajaram, Neerja Goel, Vinod Kumar. Bilateral Exudative Retinal Detachment in a patient with early onset severe preeclampsia. *Pregnancy Hypertension*. 2014. 10.1016/j.preghy.2014.09.001.

Nutan Agarwal, Smita Singh, Alka Kriplani, Neerja Bhatla, Nilanchali Singh. Safety and efficacy of Gabapentin in management of psycho-somatic & sexual symptoms in postmenopausal women: A Pilot Study. *Journal of Midlife Health*, 2015. Jan-Mar 2015; Vol 6, Issue 1.

KG Huang, Nilanchali Singh, Tida Kijjadip. Cervical myomatous polyp leading to third degree uterine prolapse in a virgin with intact hymen. *Journal of Women's Health Issues & Care*, 2015, 4:1 <http://dx.doi.org/10.4172/2325-9795.1000175>.

Nilanchali Singh, Prerna Kumari. Placenta Accreta, A Mini Review. *Journal of Pregnancy and Child Health*. 2014. <http://dx.doi.org/10.4172/jpch.1000e104>.

Sharma R, Mehta Sumita. Ascorbic acid concentration and preterm premature rupture of membranes. *Journal of obstetrics and gynaecology of India (Nov – Dec 2014)* 64(6):417-420.

Bindiya Gupta, Nilanchali Singh, Vinod Kumar, Shalini Rajaram, Neerja Goel. Bilateral exudative retinal detachment in a patient with early onset severe preeclampsia. *Pregnancy Hypertension: An International Journal of Women's Cardiovascular Health*. 2014; 4: 253-54.

S. Rajaram, S. Bhaskaran, P. Aggarwal, and N. Goel. Spontaneous ovarian hyperstimulation mimicking ovarian neoplasm: A rare complication of hypothyroidism. *Journal of Obstetrics & Gynecology*, 2014, Posted online on November 10, 2014.

Shalini Rajaram, Sruthi Bhaskaran, Shagun Sinha, Sarla Agarwal. Role of Hospital-Based Cancer Registries: A Decade of Experience of Cancer Cervix from a Tertiary Care Centre, India, *Indian J Community Med*. 2014 Oct;39(4):2414.

Rajaram S, Maheshwari A, Srivastava A, Staging for Vaginal Cancer. *Best Practice & Research Clinical Obstetrics & Gynaecology*. Accepted manuscript available online: 4-MAR-2015. DOI information: 10.1016/j.bpobgyn.2015.01.006.

NB Srividhya, Nilanchali Singh, Neerja Goel, JK Gambhir, Vinita Rathi, Shalini Rajaram. Comparison of antiresorptive effect of hormone therapy and ibandronate in postmenopausal osteoporotic women by assessing type I collagen C-telopeptide levels. *Post Reproductive Health*. 2015. DOI: 10.1177/2053369115574613.

Chapters in Books

Nilanchali Singh, Shalini Rajaram, Neerja goel. Uterine Cancer Diagnosis and Treatment. In: Shalini Rajaram (eds).. 1st Ed. New Delhi. Wolter Bushnell, 2015 (In press).

Nilanchali Singh, Bindiya Gupta. Urogenital and Sexual Symptoms. In: Neerja goel, Bindiya Gupta (eds). Menopause. 1st Ed. New Delhi. Jaypee Publishers. 2014. P132-44.

Alpana Singh, Bindiya Gupta, Shipra Singla : Abnormal menopause In: Neerja Goel, Bindiya Gupta (eds). Menopause. 1st Ed. New Delhi. Jaypee Publishers. 2014. P256 -262.

Rajaram S, Singh N. Cancers and Hormone Therapy. In 'Menopause' Eds, Goel N, Gupta B, Jaypee Brothers Medical Publishers, Delhi, 2014: 186-97.

Goel N, Rajaram S, Jain S, Singh S. Vaginal Oophorectomy. In 'Vaginal Hysterectomy' Eds. Sheth SS, Jaypee Brothers Medical Publishers, New Delhi, 2014.

Jain S, Goel N, Shree S. Nonpharmacological Management of Menopause. In Neerja Goel, Bindiya Gupta (ed.) Menopause 1st Edition. New Delhi, Jaypee Brothers. 2014. pp 210-224.

Goel N, Rajaram S, Jain S, Singh S. "Trial vaginal hysterectomy and trial vaginal route" In Shirish S. Sheth (Ed). Vaginal Hysterectomy. 2nd Edition. New Delhi, Jaypee Brothers. 2014. pp116-122.

Goel N, Agarwal R, Yam N. HT follow up. In: Goel N, Gupta B, eds. *Menopause*. Delhi: Jaypee Brothers Medical Publishers (P) Ltd., 2014, pp 168-76.

Book Published

Menopause. Editors: Neerja Goel, Bindiya Gupta. First edition April 2014 by JP publishers.

OPHTHALMOLOGY (UCMS)

Honours/Distinctions

Dr. V.P.Gupta appointed as HOD Department of ophthalmology, Faculty of medical sciences, DU, Delhi w.e.f. Dec, 2014 2. Certificate of appreciation for outstanding contribution to national eyebank, 25th Aug - 8th Sept, 2014

Seminars/Conferences Attended

Name	Name of Conference	Dates
Prof. V.P. Gupta	All India Ophthalmological Conference, New Delhi	5 th to 8 th February, 2015
Prof. V.P. Gupta	65 th Delhi Ophthalmological Society Annual Conference, New Delhi	11 th -13 th April, 2014
Prof. V.P. Gupta	Joint meeting of Asia Pacific Society of Ophthlamic Plastic & Reconstructive Surgery & Silver jubilee meeting of Oculoplastics Association of India, New Delhi.	26 th -28 th September, 2014
Dr. Upreet Dhaliwal	65 th Delhi Ophthalmological Society Annual Conference, Delhi	11 th -13 th April, 2014
Dr. Jolly Rohatgi	All India Ophthalmological Conference, Delhi	5 th to 8 th February, 2015

Dr. Jolly Rohatgi	65 th Delhi Ophthalmological Society Annual Conference, Delhi	11 th -13 th April, 2014
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Publications in Indexed Journals

Gupta VP, Gupta P, Gupta R. Re: "Foam sclerotherapy for periorbital dermoid cysts". Ophthal Plast Reconstr Surg. 2014 Nov-Dec; 30(6):530.

Gupta VP, Gupta P, Gupta R. Is it really a silicone sling assisted temporalis muscle transfer? Indian J Ophthalmol 2014; 62:1179.

Kajla G, Rohatgi J, Dhaliwal U. Use of subjective and objective criteria to categorise visual disability. Indian J Ophthalmol. 2014 Apr; 62(4):400-6. doi:10.4103/0301-4738.121146.

Kumar V, Jeria S, Chandra N, Rohatgi J. A case of contact lens deposits mimicking nodular keratopathy. Clin Exp Optom. 2014 Jul; 97(4):373-4. doi: 10.1111/cxo.12140. .

Singh S, Singh N, Dhaliwal U. Near-peer mentoring to complement faculty mentoring of first-year medical students in India. J EduEval Health Prof. 2014 Jun 30; 11:12. doi 10.3352/jeeph.2014.11.12.

Publications in Non-Indexed Journals

Dhaliwal U. Editorial: why Medical Humanities? RHiME (Internet). 2014 Mar 30 (cited 2015 Mar 24); 1 (about 2p.). available from: <http://rhime.in/?p=47>.

OPHTHALMOLOGY (MAMC)

Activities and Achievements

Performed large number and a variety of ophthalmic surgeries including Phaco, cornea grafting, VR Surgery, retina reattachment, strabismus, oculoplastics, glaucoma surgeries etc. Faculty attended several state, national and international conferences and published large number of publications.

Honours/Distinctions

Dr. B. Ghosh received Dr. P.K. Jain oration award, 2014 by Delhi Ophthalmological Society.

Dr. Meenakshi Thakar awarded as permanent faculty for retina teaching in Post Graduate Microsurgical Skills Training and successfully conducted 3 sessions in April, 2014, September, 2014 and October 2014.

Seminars/Conferences Attended

Name	Conference/CME	Dates
Prof. B. Ghosh	AIOC 2015 5th to 8th Feb. 2015, New Delhi. 65 th Delhi Ophthalmological Society Annual Conference, Delhi.	5 th to 8 th Feb. 2015 11 th -13 th April, 2014
Prof. Kamlesh	AIOC 2015 5th to 8th Feb. 2015, New Delhi. 65 th Delhi Ophthalmological Society Annual Conference, Delhi.	5 th to 8 th Feb. 2015 11 th -13 th April, 2014

Prof. Usha Yadav	Glaucoma Society of India, Bhubaneswar	September, 2014
Prof. P.K.Pandey	6th British Isles pediatric Ophthalmology and strabismus conference, Birmingham UK. AIOC 2015 5th to 8th Feb. 2015, New Delhi India. 65 th Delhi Ophthalmological Society Annual Conference, Delhi	17th to 19 September 2014, 5 th to 8 th Feb. 2015 11 th -13 th April, 2014
Prof. J.L.Goyal	AIOC 2015 5th to 8th Feb. 2015, New Delhi. 65 th Delhi Ophthalmological Society Annual Conference, Delhi	5 th to 8 th Feb. 2015 11 th -13 th April, 2014
Prof. Ritu Arora	AIOC 2015 5th to 8th Feb. 2015, New Delhi. 65 th Delhi Ophthalmological Society Annual Conference, Delhi	5 th to 8 th Feb. 2015 11 th -13 th April, 2014
Prof. Usha K. Raina	AIOC 2015 5th to 8th Feb. 2015, New Delhi. 65 th Delhi Ophthalmological Society Annual Conference, Delhi	5 th to 8 th Feb. 2015 11 th -13 th April, 2014
Dr. Meenakshi Thakar	Annual DOS Conference, New Delhi	11 th -13 th April, 2014
Dr. Punita K. Sodhi	AIOC 2015 5th to 8th Feb. 2015, New Delhi. 65 th Delhi Ophthalmological Society	5 th to 8 th Feb. 2015
Dr. Ruchi Goel	73 rd Annual 2-AIOC 2015, 5 th to 8 th February, 2015, New Delhi. World Ophthalmology Congress, Tokyo Japan IIRSI Conference, held at Chennai Annual DOS Conference Joint meeting of Asia Pacific Society of Ophthalmic Plastic & Reconstructive Surgery & Silver jubilee meeting of Oculoplastics Association of India, New Delhi.	5 th to 8 th February, 2015 2 nd -6 th April, 2014 5 th -6 th July, 2014 11 th -13 th April, 2014 26 th -28 th September, 2014

Publications

Seth A, Raina UK, Thirumalai S, Batta S, Ghosh B. Full-thickness macular hole in *Bartonella henselae* neuroretinitis in an 11-year-old girl. Oman J Ophthalmol. 2015 Jan-Apr; 8(1):44-6.

Goel N, Jain P, Arora S, Ghosh B. Gyrate atrophy of the choroid and retina with cystoid macular edema and unilateral optic disc drusen. J Pediatr Ophthalmol Strabismus. 2015 Jan-Feb; 52(1):64.

Seema R, Parul S, Nita K; Kamlesh. High-risk histomorphological features in retinoblastoma and their association with p53 expression: An Indian experience. Indian J Ophthalmol. 2014 Nov; 62(11):1069-1071.

Kamal S, Yadava U, Kumar S, Goel R. Topiramate-induced angle-closure glaucoma: cross-sensitivity with other sulphonamide derivatives causing anterior uveitis. Int Ophthalmol. 2014 Apr; 34(2):345-9.

Pandey PK, Bhambhwani V, Sood S, Rana K, Gupta P, Ranjith PC. Role of part muscle vertical rectus transposition following periosteal fixation of the lateral rectus in Exotropic Duane's Retraction Syndrome; Indian J. Ophthalmol. 2015; 63(3) 290-1.

Bhambhwani V, Pandey PK, Sood S, Gupta P, Ranjith PC. Comment on induced over-correction in pediatric patients with intermittent exotropia; Indicated ? Indian J. Ophthalmol. 2015, 63 (3), 294.

Pandey PK. Vertical rectus transposition in Duane's Retraction Syndrome; Does cocontraction worsen? Eye 2015 E pub Feb. 6 2015.

Goyal JL, Garg A, Arora R, Jain P, Goel Y. Comparative evaluation of higher-order aberrations and corneal asphericity between wavefront-guided and aspheric LASIK for myopia. J Refract Surg. 2014 Nov; 30(11):777-84.

Arora R, Gupta D, Jain P, Goyal G, Goel Y, Goyal JL. Intradescemetic air trap post deep anterior lamellar keratoplasty in a child with mucopolysaccharidosis. Eye (Lond). 2014 Apr; 28(4):495-6.

Arora R, Goel Y, Goyal JL, Goyal G, Garg A, Jain P. Refractive outcome of wavefront guided laser in situ keratomileusis and wavefront guided photorefractive keratectomy in high preexisting higher order aberration. Cont Lens Anterior Eye. 2015 Apr; 38(2):127-33.

Raina UK, Seth A, Gupta R, Goel N, Gupta A, Ghosh B. Parry-Romberg syndrome studied by spectral-domain optical coherence tomography. Ophthalmic Surg Lasers Imaging Retina. 2014 Jan 1; 45(1):E1-4.

Goel N, Kumar V, Seth A, Ghosh B. Branch retinal artery occlusion associated with congenital retinal macrovessel. Oman Journal Of Ophthalmology. 2014 May; 7(2): 96-7.

Raina UK, Seth A, Gupta A, Batta S. Ocular findings in a case of Pen-orbital Giant Congenital melanocytic nevus. Oman J Ophthalmol. 2014 Sep; 7(3):153-5

Seth A, Raina UK, Ghosh B, Arora S, Thirumalai S. Full thickness macular hole in Bartonella Hensalae neuroretinitis in an 11 year old girl. Oman J Ophthalmol. 2015 Jan-Apr;8(1):44-6.

Raina UK, Gupta A, Bhambhwani V, Bhushan G, Seth A, Ghosh B. The Optical Performance of Spherical and Aspheric Intraocular Lenses in Pediatric Eyes: A Comparative Study. J Pediatr Ophthalmol Strabismus. 2015 May 29:1-7.

Bhushan G, Gupta S, Bhushan U, Raina UK. Central retinal artery occlusion as an iatrogenic complication of treatment of central giant cell granuloma of the mandible. J Oral Maxillofac Surg. 2015 May; 73(5):933.e1-6.

Goel N, Arora S, Jain P, Ghosh B. Massive subretinal hemorrhage and vitreous hemorrhage at presentation in Idiopathic thrombocytopenic purpura: report of a case and review of literature. Clin Exp Optom 2014 May; 97(3):270-3.

Bhushan G, Raina UK, Gupta A, Bhambhwani V, Khurana N, Ghosh B. Inverted mucoepidermoid papilloma of conjunctiva in a child. J AAPOS. 2015 Jun; 19(3):266-7.

Sodhi PK. Relationship between preferred sleeping position and asymmetric visual-field loss in open-angle glaucoma patients. Am J Ophthalmol. 2014 Jun; 157(6):1327.

Sodhi PK. Orbital manifestations in patients with acquired immunodeficiency syndrome. Nepal J Ophthalmol. 2014 Jul-Dec; 6(2):205-19

Goel R, Kishore D, Kumar S, Agarwal T, Nagpal S, Apoorva AG. Case report of sump syndrome after laser conjunctivodacryocystorhinostomy. *Ophthalmol.* 2015 Mar 27; 6(1):115-9.

Goel R, Nagpal S, Kumar S, Kamal S, Dangda S, Bodh SA. Our experience with transcanalicular laser-assisted endoscopic dacryocystorhinostomy (TCLADCR) in patients of chronic dacryocystitis with deviated nasal septum. *Int Ophthalmol.* 2015 Feb 22.

Kamal S, Kumar S, God R. Autologous serum for anterior tissue necrosis after porous orbital implant. *Middle East Afr J Ophthalmol.* 2014 Apr-Jun; 21(2):193-5.

Malik KPS, Goel R, Jain K, Nagpal S, Singh S. Management of bilateral microspherophakia with secondary angle closure glaucoma. *Nepal J Ophthalmol* 2014; 6(12):69-73.

God R, Bodh SA, Sardana K, Goel A. Dermatopathia Pigmentosa Reticularis with Salzmann's nodular degeneration of cornea: A rare association. *Nepal J Ophthalmol* 2014; 6(12):79-81.

Publications in Non-Indexed

Journals

Supriya Arora, Richa Pyare, Prateeksha Sharma, Gauri Shushan, Meenakshi Thakar, Basudeb Ghosh. Imaging in retained intraocular foreign body. Published Delhi Ophthalmologic Society (DOS) Times 2014 March.

Shriram Thirumalai, Supriya Arora, Prateeksha Sharma, Richa Pyare, Meenakshi Thakar, Basudeb Ghosh. Clinical trials in Dry age related macular degeneration. Published Delhi Ophthalmologic Society (DOS) Times 2014 April.

Supriya Batta Arora, Prateeksha Sharma, Nalini Saxena, Meenakshi Thakar, Basudeb Ghosh. Macular Hole. Published Delhi Ophthalmologic Society (DOS) Times 2014 November; 20 (5): 69-73.

Supriya Batta Arora, Shantanu Sharma, Preethi Sridharan, Basudeb Ghosh. Sympathetic Ophthalmitis. Published Delhi Ophthalmologic Society (DOS) Times 2015; 20 (8):59-62.

Interview of Dr. Basudeb Ghosh, Dr. Rajvardhan Azad, Dr. Cyrus Shroff, Dr. Lalit Verma, Dr. Sanjeev Gupta by Dr. Supriya Batta Arora. Management of diabetic macular edema. Expert Corner. Published Experts' Corner DOS Times 2014 Nov; 20 (5):13-22.

Interview of Dr. Basudeb Ghosh, Dr. Atul Kumar, Dr. Cyrus M. Shroff, Dr. P. Mahesh Shanmugam. Management of retained intraocular foreign body. Published Experts' Corner DOS Times 2015; 20 (8):11-16.

Nalini Saxena, Supriya Arora, Shantanu Sharma, Basudeb Ghosh. Endophthalmitis: Preferred practice pattern. *Young Ophthalmologist (YO Times).* Apr-June 2015.

Imaging in retinal intraocular foreign body: Arora S, Pyare R, Sharma P, Bhushan G, Thakar M, Ghosh, B- March 2014, DOS Times.

Clinical trial in day age related macular degeneration: Thirumalai S, Arora S, Sharma P, Pyare R, Thakar M, Ghosh B- April ,2014, DOS Times.

Macular Hole: Arora SB, Sharma P, Saxena N, Thakar M, Ghosh B, Nov., 2014 (20(5): 69-73 DOS Times.

OPHTHALMOLOGY (LHMC)

Activities and Achievements

Medals/Awards

Dr. Sarita Beri - Vitro Retina Surgery Training under National Programmed for Control of blindness (NPCB) for the year 2014-15, 12/6/14 to 30/8/2014 at Dr. R.P.Centre, AIIMS and designated as a Trainier in Vitro Retina Surgery.

Dr. Zia Chaudhuri was awarded the degree of FICO (Fellow of the International Council of Ophthalmology) after passing the Advanced level ophthalmology examination of the the International Council of Ophthalmology (ICO) on October 14, 2014.

National and International Conferences/Symposia/Seminars/Workshops/CMEs Attended

S. No.	Name & Designation of the participant	Role/Topic	Organizer	Name of the conference Venue & date
1	Dr. Rajiv Garg Dr. S. Berl Dr. Om Prakash	Delegate-65th DOS annual conference	Delhi Ophthalmological Society	Delhi, 11th to 13th April, 2014
2	Dr. Rajiv Garg Dr. Om Prakash	Delegate- APSOPRS OPAI 2014-A to Z Oculoplasty Fest, Asia Pacific Society of Ophthalmoplastic and Reconstructive surgery	Oculoplasty Association of India	India Habitat Centre, New Delhi, 26th to 28th September, 2014
3	Dr. Om Prakash	Delegate, Delhi Ophthalmological Society, winter conference-"cases and controversies in ophthalmology"	Delhi Ophthalmological Society	Delhi 1st to 2nd Nov. 2014
4	Dr. Om Prakash	Delegate Presented two-e-posters: 1) Efficacy of autologous blood as a fixative for limbal conjunctival autograft in pterygium surgery 2) Dry eye in patients with diabetic retinopathy: a clinicocytological study	73rd AIOC conference (AIOS)	New Delhi, 5th to 8th Feb, 2015
5	Dr. Om Prakash	Delegate, certification course Paralegal Volunteers Training	Medical education unit, LHMC and state legal services authority	30th-31st March, 2015

6	Dr. Zia Chaudhuri	Invited talk; Rectus Muscle Plication: A potentially reversible, vessel sparing alternative to resection	Jules Stein Eye Institute (JSEI), University of California Los Angeles (UCLA), USA	Leonard Apt Meeting on Advanced Topics in Pediatric Ophthalmology and Strabismus, April 1, 2014 at JSEI, UCLA, Los Angeles, USA
7	Dr. Zia Chaudhuri	Poster presentation: Horizontal Rectus Muscle Pulley Malposition and Pattern Strabismus in Congenital Pulley Heterotopy	American Association of Pediatric Ophthalmology and Strabismus (AAPOS)	40 Annual Meeting of the AAPOS, April 2-6, 2014 at Palm Springs, California, USA
8	Dr. Zia Chaudhuri	Invited talk: Surgery for Esotropia and Cyclo-vertical Strabismus in the Sagging Eye Syndrome	International Strabismological Association (ISA)	XII Meeting of the ISA, December 1-4, 2014 at Kyoto, Japan
9	Dr. Sarita Beri	Delegate	MACSHOP Conference on Macular Diseases	India Habitat Centre, New Delhi, 20 December, 2014

Publications

Chaudhuri Z, Demer JL. Surgical Outcomes following rectus muscle plication A Potentially Reversible, Vessel Sparing alternative to Resection. JAMA Ophthalmol. 2014 May; 132 (5):579-85.

INCLIN Study Group (Chaudhuri Z is a collaborating author). INCLIN Diagnostic Tool for autism spectrum disorder (INDT-ASD). Indian Pediatr May 8; 51(5): 359-65.

INCLIN Study Group (Chaudhuri Z is a collaborating author). INCLIN Diagnostic Tool for attention deficit hyperactivity disorder (INDT-ADHD). Indian Pediatr June 8; 51(6): 457-62.

INCLIN Study Group (Chaudhuri Z is a collaborating author). INCLIN Diagnostic Tool for epilepsy (INDT-EPI). Indian Pediatr Jul 8; 51(7): 539-43.

INCLIN Study Group (Chaudhuri Z is a collaborating author). INCLIN Diagnostic Tool for neuro-motor impairments (INDT-NMI). Indian Pediatr Aug 8; 51(8): 613-19.

Garg R, Bahugun C, Beni S: Echographic study of the Optic Nerve in Glaucoma, Asian Journal of Ophthalmology P 30, Special ICGS edition, 2014.

Number of Post Graduate Theses Submitted: 4

ORTHOPAEDICS (UCMS)

Honours/Distinctions

Name	Distinctions
Dr. A.K. Jain	Delievered President lecture on "Minimum (optimum) standard of orthopedic care for all: An achievable target" - IOACON 2014 at Hyderabad on 21 November, 2014. Delievered President lecture at annual conference of Indian Orthopaedic society at London (UK) from 11-12 July 2014. Represented India at Third FFN Global Conference on fragility fracture at Madrid, Spain from 4-6 September 2014.
Dr. Manish Chadha	Asia Pacific Spine Society Travelling Fellowship, 2014 from Oct-Nov 2014.

Publications

Jain AK, Mukunth R, Srivastava A. Treatment of neglected femoral neck fracture. Indian J Orthop. 2015 Jan-Feb; 49(1):17-27

Jain AK. Author's reply: "Cultivate... research an attitude and learning a passion". Indian J Orthop. 2014 Nov; 48(6):632-3.

Jain AK. Minimum (optimum) standard of orthopedic care for all: An achievable target. Indian J Orthop. 2014 Nov; 48(6):541-4.

Aggarwal A, Jain A, Jajoida N, Nand R, Kumar S, Kumar C : Fate of kyphosis in tuberculosis of subaxial cervical spine treated non-operatively. Acta Orthop Belg 2014;80 :451-456.

Sharma G, Chadha M, Pankaj A. Hip dislocation associated with ipsilateral femoral neck and shaft fractures: an unusual combination and dilemma regarding head preservation. Acta Orthop Traumatol Turc. 2014;48(6):698-702.

Jain A, Aggarwal P, Pankaj A. Concomitant ipsilateral proximal tibia and femoral Hoffa fractures. Acta Orthop Traumatol Turc. 2014;48(4):383-7.

Publications in Non-Indexed Journals

Park KS, Yoon TR, Haq RU. Post-traumatic osteonecrosis of the femoral head after nine years of femoral head fracture dislocation. J Korean Orthop Assoc. 2014 Apr; 49(2):153-158.

Conferences Organized/Attended

Name	Conference/CME and Place
Dr. A. K. Jain	American Academy of Orthopaedics at New Orleans (US) from 11-15 March 2014. Third FFN Global Conference on fragility fracture at Medrid, Spain from 4-6 September 2014. IOACON from 19-22 November 2014 State Chapter Conference at Odissa, IOA; West Bengal, IOA; Uttar, IOA; Madhya Pradesh, IOA; OSSAC;

	<p>Vellore Foundation; Central zone, IOA; Gujrat, 10A; Maharashtra, IOA; Karnataka, IOA.</p> <p>Annual conference of SARCC Nations at Agra from 15 - 16 October 2014.</p>
Dr. Manish Chadha	<p>Instructional Course In Spine- 2014 from 15-17 August 2014.</p>
Dr. Pankaj Amite	<p>4th Arthroscopy ft Sports Injury Update 2014. MAMC and LNJP Hospital on 4 May 2014.</p> <p>9th International Symposium on Current Concepts in Knee Et Shoulder Arthroscopic Surgery a Arthroplasty. Leela Kempinski, Gurgaon from 10-12 October 2014.</p> <p>13th Indian Arthroscopy Society Congress at Hyderabad from 4-7 Sept 2014.</p> <p>XXVI SICOT Triennial World Congress combined with 46th SBOT Annual meeting, Rio de Janeiro, Brazil from 19 - 22 November 2014.</p> <p>Shoulderelbowcon 2015: Annual Congress of Shoulder and Elbow Society of India. Indian institute of Mass Comm, Delhi from 24 - 25 Jan 2015.</p>
Dr. Rehan Ul Haq	<p>First National Conference of Bone and Joint Decade, National Action Network at NSCB Jabalpur, India from 22 - 23 Feb 2014.</p> <p>Annual Conference of Indian Orthopaedic Association held at Hyderabad in November 2014.</p> <p>Ranawat Orthopaedic Research Foundations Conference "Advances and techniques in joint replacement surgery and arthroscopy", New Delhi, 45 in January 2014.</p> <p>Delhi Arthroscopy Course 2014 organized by Sports Injury Centre, New Delhi, 46 in February 2014.</p>

Number of National Journals Subscribed : 1 (National Journal of Orthopaedics)

Number of International Journals Subscribed : 5 Orthopaedics Journals.

Other Significant Information

The Indian Journal of Orthopaedics is published from the department of Orthopaedics. The office is located in the college building. The journal is peer reviewed, impact factor journal which is indexed with Pubmed central and science citation expanded. Prof. A.K. Jain has initiated new academic activities at national level for post graduate training as President of Indian Orthopaedic Association such as:

Uniform delievery of core education by IGNOU televised network

Mass Public awareness program to educate common men about bone and joint health.

Orthopaedic excellence programme where prestructured education and research method lectures will be delievered at 50 centres in India in 2015.

ORTHOPAEDICS (MAMC)

Activities and Achievements

The department has published numerous articles of a high academic standard and these have been published/accepted in peer review international journals of repute. The faculty members have delivered guest lectures and presented papers in international and national conferences and have been invited as guest faculty and expert in various courses and forums across the country. The Department continued to successfully conduct the popular post graduate instructional course in orthopaedics which attracted more than 300 post graduate students across the country. Most of the faculty members have been invited as examiners at various universities and involved with the Medical Council of India and DNB and contributed towards medical examination.

Honours/Distinctions

Dr. Lalit Maini: Bhagirathi Award for outstanding services, by Bhagirathi Samajik Saanskritik Manch (regd.) November 2014.

Research Projects

S. No.	Title/Description	Principal Investigator	Sponsoring Organization
1.	Evaluation of Multimodality imaging in the diagnosis and assessment of postoperative spinal infection	Dr. Anil Dhal	IAEA
2.	Functional evaluation of early tendon transfer for foot drop	Dr. Anil Dhal	
3.	Colour aided arthroscopic resection of dorsal wrist ganglion	Dr. Ajay Gupta	Thesis
4.	Prospective study of effectiveness of platelet rich plasma in early osteoarthritis of knee	Dr. V.K.Gautam	
5.	A prospective comparative study of three treatment modalities for idiopathic adhesive capsulitis of shoulder	Dr. Manoj Sharma	
6.	Diagnostic effectiveness of M OCT arthrography in shoulder instability and its comparison with MR arthrography and arthroscopy	Dr. Vinod Kumar	
7.	Prospective randomized control study to Assess the efficacy of single dose preoperative versus pre- and postoperative cefazolin in hip surgery	Dr. Sumit Sural	
8.	Evaluation of accuracy of patient specific pre-contoured plate in acetabular fracture fixation	Dr. Lalit Maini	

Inter Institutional Collaboration

Title / Description	Principal/Co -Investigator	Sponsoring Organization
Post graduate Diploma course in Geriatric Medicine	Dr. Anil Dhal Dr. V.K.Gautam Dr. Sumit Sural	IGNOU

Publications

International

Arora S, Sankaran A, Dhal A. Minimally-invasive bone graft harvesting technique without sophisticated instruments. *Am J Orthop.* 2014; 43(1):45-46.

Maini L, Batra S, Arora S, Singh S, Kumar S, Gautam VK. Surgical dislocation of the hip for acetabular fracture and evaluation of chondral damage. *J Orthop Surg.* 2014; 22(1):18-23.

Sabat D, Wangchuk T, Dhal A. Inadvertent advancement of guide wire across the knee caused by incarcerated bone fragment at the nail tip during femoral nailing. *Chin J Traumatol.* 2014;17(2):118-120.

National

Sabat D, Dabas V, Dhal A. Late extensor ulloicis longus rupture following plate fixation in Galeazzi fracture dislocation. *Indian J Orthop.* 2014; 48(4):426-428.

Meena S, Gupta A. Dorsal wrist ganglion: current review of literature. *J Clin Orthop Trauma.* 2014; 5(2):59-64.

Sumit Sural, And Verma : Clinical Profile of Musculoskeletal injuries in children attending a major hospital in Delhi. *J Clin Orth Voi* 6 (1):12-18.

Sambandam B, Gupta R, Kumar S, Maini L. Fracture of distal end clavicle: A review. *J Clin Orthop Trauma.* 2014; 5(2):65-73.

Sabat D, Kumar V. Selective anatomic augmentation of symptomatic partial tears of the anterior cruciate ligament. *Indian Journal of Orthopedics* 2015 Mar; 49:129:35.

Arora S, Batra S, Rao S, Maini L, Gatram VK. A 40-year-old female with painless, slow growing prepatellar mass: Case of the month. *J Clin Orthop Trauma.* 2014; 5(4):274-279.

Singh S, Kumar S, Rohilla S, Maini L. Functional anthropometric measurements of Indian pelvis. *J Clin Orthop Trauma.* 2014; 5(2):79-83.

Rammohan R, Gupta P, Maini L, Gautam VK. Neurilemmoma of median nerve. *J Clin Orthop Trauma.* 2014; 5(1):33-37.

Singh S, Sambandan B. A case of pycnodysostosis presented with pathological femoral shaft fracture. *Indian J Med Res.* 2014; 131(1):180-181.

Singh A, Cuevas-Covarrubias S, Pradhan G, Gautam VK, Messina-Baas O, Gonzalez — Huerta LM, Goyal M, Kapoor S. Novel mutation and white matter involvement in an Indian child with pycnodysostosis. *Indian J Pediatrics.* 2014 [E-pub ahead of print] PMID:25304337.

Conferences Organized/Attended

International

Dr. Anil Dhal: Paper presentation entitled "Influence of barriers on the duration of Ponseti treatment for clubfoot" at International Clubfoot Conference, Barcelona (Spain), 1st-4th June, 2014.

National

Department of Orthopaedics organized the 'MAMC 16th Post Graduate Instructional Course in Orthopaedics' from 15th to 1st October, 2014.

Department of Orthopaedics, MAMC : Organized the Annual Conference of Delhi Orthopaedic Association on 1st-2nd November 2014.

Department of Orthopaedics, MAMC : Organized Cadaveric workshop on Knee Arthroplasty at MAMC under the aegis of DOA on 1st November 2014.

Department of Orthopaedics, MAMC : Organized Cadaveric workshop on Cervical Spine at MAMC under the aegis of DOA on 1st November 2014.

4th Annual MAMC arthroscopy & Sports injury update on 4th May 2014.

Faculty strength: Permanent – 10; Temporary- 3

No. of National Journals Subscribed (online + paperback versions): Pertaining to institutional library

No. of International Journals Subscribed (online + paperback versions): Pertaining to institutional library

Other Significant Information

Faculty serving in national committees:

Dr. Anil Dhal: Chairman Hand section, Indian Orthopaedic Association
Reviewer Indian Journal Of Orthopaedics.
Nodal officer Trauma for Delhi State

Dr. Ajay Gupta: Nominated as Expert Member in the Selection Board for the interview for recruitment of Associate Professor for ESIC Medical College, Mandi (H.P.) on 1.04.2014.
Nominated as Expert Member of the Selection Board for the interview for recruitment of Teaching Faculty posts for ESIC Medical College, Faridabad (Haryana) on 6.05.2014

Dr. V.K.Gautam: Nominated as member of Planning Board, an august Body under Baba Farid University Of Health Sciences Faridkot.
Appointed adviser by the UPSC to select Orthopaedic Surgeons. Appointed assessor for

Dr. Vinod Kumar: Presided over the 2nd National Lok Adalat as an Associate member at South East District Legal Services Authority, Saket Court, New Delhi on 6 Dec 2014.

Dr. Sumit Sural: Reviewer, Indian Journal of Orthopaedics
Reviewer, Journal of Clinical Orthopaedics and Trauma
Reviewer, Journal of Indian Medical Association
Member Core group, for formulation of National guidelines for extra pulmonary tuberculosis (osteoarticular TB), Ministry of Health and Family Welfare and WHO, in progress at AIIMS, 2015.

Expert member, Delhi Medical Council
Member, Core group CPA DNS
Appointed assessor by NBE for DNB (Ortho) accreditation.
Appointed Examiner by NBE for DNB Ortho.
Appointed by NBE for evaluation of thesis of DNB(Ortho.)

Dr. Lalit Maini: Assistant Editor — Indian Journal of Orthopaedics
Editor — Journal of Clinical Orthopaedics and Trauma
Corresponding Editor Asian Archives of Antnesthesiology & Resuscitation
Executive Editor —Journal of Arthroscopy and Joint Surgery
Section Editor — MAMC journal of Medical sciences
Chairman ISKSAA (International Society for knowledge for surgeons on Arthroscopy and Arthroplasty)
Hon. Treasurer Indian Orthopaedic Association
Dr. Sumit Arora : Assistant Editor, Journal of Clinical Orthopaedics and Trauma

OTORHINOLARYNGOLOGY (UCMS)

Activities and Achievements

The Department organized the fifth course on Sialendoscopy in November 2014. World renowned faculty, Professor Francis Marchal from Switzerland participated and shared his surgical expertise with delegates from all over India. The department also organized a lecture on Middle Ear Mechanics by Prof. Thomas Zahnert from the University of Dresden, Germany at the All India Institute of Medical Sciences. This was well attended by post graduates and faculty members from various institutes of Delhi.

Inter Institutional Collaboration

A live telecast of surgical demonstration of Sialendoscopy was done through telemedicine facility to Geneva during their Annual Sialendoscopy course.

The department collaborated with Department of Respiratory Medicine, Vallabh Bhai Patel Chest Institute, University of Delhi for research work on Allergic Rhinitis.

Publications

Total: 04

Gupta N, Goyal A, Singh PP. Diffuse Idiopathic Skeletal Hyperostosis with Ossification of Posterior Longitudinal Ligament of Cervical Spine-An Unusual Cause of Dysphagia Annual J Otolaryngol Head Neck Surg 2014; 22: 42-43.

Chapter in Book

Gupta N. Rhinoplasty in “Aesthetic Surgery-Current Perspectives”. First Edition 2015 Editor-Goel A. CBS Publishers and Distributors, New Delhi: pg 61-80.

Faculty Strength: Permanent: 6

Number of National Journals Subscribed : 01

Number of International Journals Subscribed : 06

PAEDODONTICS AND PREVENTIVE DENTISTRY (UCMS)

Activities and Achievements

Department of Paedodontics recognized by dental council of India for two P.G seats. Two postgraduate students joined the department by selection through CBSE merit list. The department is busy with development of PG programme in Paedodontics & Preventive Dentistry and orthodontic clinics.

Publications

Kumar S, Khatri A, Kalra N, Tyagi R, Wadhwa N, Banga A. Adenomatoid odontogenic tumor of maxilla in a 14-year-old child. *J Pediatr Dent* 2014; 2:61-4.

Retrospective analyses of Orofacial traumatic injuries in trauma patients, registered as medicolegal cases at a tertiary care Hospital in Delhi *Journal of Orofacial research Journal of Orofacial Research*, April-June 2014; 4(2):90-94.

Khatri A, Kalra N, Tyagi R, Baweja M, Khandelwal D. Dental findings in patients with West syndrome: A report of two cases. *J Indian Soc Pedod Prev Dent* 2014; 32:168-71.

Pahwa P, Lamba AK, Grewal H, Faraz F, Tandon S, Yadav N. Evaluation of two-dimensional and three-dimensional radiography with direct surgical assessment of periodontal osseous defects: A clinical Study. *Indian J Dent Res [serial online]* 2014 [cited 2015 Apr 1]; 25:783-7.

Rani Anju, Khanna S.K., Mittal A.K., Grewal Harpreet, Behera C. Age Estimation by Clinico-Radiological Examination of Third Molar Teeth: A Study from Delhi *Journal of Indian Academy of Forensic Medicine* Year : 2014, Volume : 36, Issue : 4.

Grewal H, Sharma H, Rajpal, M.S. Bhatia, Choudhary R Oral health of Non-Institutionalized psychiatric patients: A Dentist Perception. *Delhi Psychiatry Journal* 2014; 17(1):44-47.

D Wadhwa, HG Bharti Tomar, NK Bhatia, A Jhanjees Medication Errors in Dentistry—A Cross-Sectional Study *Delhi Psychiatry Journal* 2014; 17(1):107-12.

Kumar S, Khatri A, Kalra N, Tyagi R, Wadhwa N, Banga A. Adenomatoid odontogenic tumor of maxilla in a 14-year-old child. *J Pediatr Dent* 2014; 2:61-4.

Retrospective analyses of Orofacial traumatic injuries in trauma patients, registered as medicolegal cases at a tertiary care Hospital in Delhi *Journal of Orofacial research. Journal of Orofacial Research*, April-June 2014; 4(2):90-94.

Conferences Attended

Name	Conference/CME and Place	Dates
Dr. Namita Kalra Professor & Head	CDE, Manav Rachna Dental college, Faridabad Appointed chair person for 35th ISSPD national conference, Lucknow	17 th July 2014
		14 th -16 th Oct 2014
Dr. Harpreet Grewal	World Dental congress FDI 2014 at G.NOIDA	World Dental congress FDI 2014 at G.NOIDA
Dr. Rishi Tyagi	Appointed chair person for 35th ISSPD National conference, Lucknow	14 th -16 th Oct 2014
Dr. Amit Khatri Asst. Prof.	Appointed chair person for 35th ISSPD National conference, Lucknow	14 th -16 th Oct 2014

Number of International/National Journals Subscribed

Journals	International	National
Specialty & Related	Pediatric dentistry. International Journal Of Pediatric dentistry. Journal of Clinical Pediatric dentistry. Journal Of American dental association. Dental Clinics of north America Archives of Oral Biology. Community dentistry & Oral epidemiology. Dental traumatology. Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and endodontology.	Indian Journal of Dental Research Journal of Indian society of Paedodontics & Preventive Dentistry
Back Volumes	JADA- 20 years Pediatric Dentistry-9years Int J Pediatr Dent-10years JCPD-6Yrs DCNA-6 Yrs	JISPPD-Online IJDR- online

PATHOLOGY (MAMC)

Activities and Achievements

Guest lectures taken by Faculty MAMC Pathology:

Morphology of myelodysplastic syndrome at European hematology association and ISHTM conference, Hyderabad nov2014, Dr. T. Singh.

Malignant round cell tumour, paediatric surgery update MAMC 2014, Dr. Nita Khurana.

Early clinical exposure, MCI medical education workshop at SHARDA, Dr. Nita Khurana.

Health Services to the Community:

Dr. T. Singh involved in the National Thalassemia Control Programme.

Dr. S. Jain is Nodal Officer for "Cancer Detection Program" under Govt. of NCT, Delhi.

Dr. S. Jain is Co-coordinator for screening of early detection of cancer in women in 'Stree Shakti Abhiyan' under Govt. of NCT, Delhi.

Hematology Clinic-LN Hospital cases with hematologic disorders in the hematology clinic on Wednesdays are reported the same day.

Honours and Distinctions

Dr. Shyama Jain was president Of Indian Academy of cytologists

Dr. Shyama Jain was president Of delhi Chapter of Indian Academy of Pathologists

Research Projects (in the form of theses)

Dr. Anusha: To study the expression of calretinin in hirshsprung disease. Dr. Vinay Kamal

Dr. Chetna: To study the expression of galectin 3 in breast cancer and its correlation with

histological grade and type. Dr. Vinay Kamal

Dr. Babita: Immuno expression of p53 and p63 in lingual squamous cell carcinoma. Dr. Nita Khurana

Dr. Pomilla: To study the expression of vegf, her2neu and kras in gall bladder carcinoma. Dr. Nita Khurana

Dr. Saumya: To study the expression of vegf, her2neu and kras in gall bladder. Dr. Shyاملata Jain

Dr. Tushar: To study the neuroendocrine differentiation in breast carcinoma and its association with clinicopathological parameters. Dr. T. Singh

Dr. Shubhra: Correaltion of p53 and bcl2 expresssion with histopathological response to chemotherapy in invasive breast carcinoma. Dr. Nita Khurana

Publications

Total: 07

Singh N, Goel G, Bembem K, Khurana N, Jain S. Fine needle aspiration cytology of soft tissue perineurioma: a case report. *Cytopathol* 2014; 25(3):207-9.

Dange P, Goel G, Ghosh N, Agarwal S, Kaushal S, Jain S. Mammary filariasis masquerading as breast carcinoma. A case report with cyto-histological correlation. *The Breast Journal* 2014; 549-51.

Sharma D, Agarwal S, Jain S, Kamal V. Pilomatrixoma masquerading as metastatic adenocarcinoma. A diagnostic pitfall on cytology. *J Clin Diagn Res* 2014 (Oct); 8(10):13-4.

Saksena A, Mahajan N, Agarwal S, Jain S. Solitary bone plasmacytoma: An interesting case report with unusual clinico-cytological features. *J Cytol* 2014; 31(3):158-160.

Singh M, Mandal S, Majumdar K. Sex cord tumor with annular tubules: An incidental finding in an endometriotic cyst--the first known cooccurrence *Biomed Res Int.* 2014; 2014:970243. doi: 10.1155/2014/970243. Epub 2014 Nov 2.

Bano S, Chaudhary V, Narula MK, Anand R, Venkatesan B, Mandal S, Majumdar K. Pulmonary Langerhans cell histiocytosis in children : a spectrum of radiologic findings. *Eur J Radiol.* 2014 Jan; 83(1):47-56.

Shramana Mandal, Kaushik Majumdar, Ravinder Saran and Ajay Sharma. An unusual case of neuroenteric cyst (type B) with fetal type glands, Peyer's patches and associated dermal sinus. *World Journal of Pathology* 2014, 3:9.

Conferences Organized/Attended

Chaired a scientific session on, 'Pancreatic Malignancies', and ' Gall Bladder Malignancies' August 2014, ILBS, New Delhi. Dr. Shyاملata Jain.

Chaired a session on 'Oral Award Papers' Delhi Chapter IAC, September 2014, AIIMS, New Delhi. Dr. Shyama Jain.

Chaired a session on, 'Dr. PN Wahi Oration' Annual Conference of IAC 'CYTOCON 2014', November 2014, Kota. Dr. Shyاملata Jain.

Cytology Workshop under the aeges of Delhi Chapter Indian Academy of Cytology on Cytology of Thyroid lesions on 31st January 2015, by Dr. Shyama Jain.

Faculty Strength: Permanent – 10; Contract - 1

Number of National Journals Subscribed

Refer to Central Library, MAMC

Number of International Journals Subscribed

Refer to Central Library, MAMC

PATHOLOGY (UCMS)

Activities and Achievements

Diagnostic and Research activities in Histopathology, Haematology, Cytology and Blood Bank including molecular techniques like PCR, RFLP, FISH. Western Blotting, Flowcytometry etc.

Honours/ Distinctions

Dr. Sonal Sharma- 3rd Prize in Best Paper (Oral), International Dermatopathology Conference and Annual DSI meeting , Bangalore, India.

Research Projects

Dr. Neelam Wadhwa

Title: Role of vascular endothelial growth factor family and receptors in pathogenesis of preeclampsia

Funded by: DST

Total budget: Rs. 49.65 lakhs

Publications: 44

Prof. Kiran Mishra: Tanveer N, Kaur N, Mishra K, Wadhwa N, Singh N. Is it ask in tumour? A question you must ask even in elderly. J Clin Diagn Res. 2014 Oct; 8(10):FD21-3.

Tanveer N, Mishra K. Chordoma Cutis - A diagnosis not to be missed. J Clin Diagn Res. 2014 Jun; 8(6):FD17-8.

Agrawal V, Garg PK, Jain BK, Mishra K, Mohanty D. Amoebic anal fistula: new insight into an old disease. Acta Med Indones. 2014 Apr; 46(2):131-3.

Pasricha R, Saini NK, Rathor N, Pathak R, Sinha R, Varma-Basil M, Mishra K, Brahmachari V, Bose M. The *Mycobacterium tuberculosis* recombinant LprN protein of mce4 operon induces Th-1 type response deleterious to protection in mice. Pathog Dis. 2014 Dec; 72(3):188-96.

Puri A, Mishra K, Sikdar S, Unni KE, Jain AK. Vesical preservation in patients with late bladder exstrophy referral: Histological insights into functional outcome. J Urol. 2014 Oct; 192(4):1208-14.

Arora R, Pandhi D, Mishra K, Bhattacharya SN, Yhome VA. Anal cytology and p16 immunostaining for screening anal intraepithelial neoplasia in HIV-positive and HIV-negative men who have sex with men: A cross-sectional study. Int J STD AIDS 2014 Sep; 25(10):726-33.

Goyal S, Puri A, Mishra K, Aggarwal SK, Kumar M, Sonaker P. Endodermal sinus tumor of vagina posing a diagnostic challenge and managed by chemotherapy and novel posterior sagittal surgical approach: Lessons learned. J Obstet Gynaecol Res. 2014 Feb; (2):632-6.

Singh V, Parakh A, Aggarwal SK, Mahto D, Dhingra B, Nagpal A, Narula MK, Mishra K, Chandra J. Inflammatory myofibroblastic tumor: an unusual mimicker of childhood intrathoracic tuberculosis. J Pediatr Hematol Oncol. 2014 Oct; 6(7):e426-9.

- Prof. Meera Sikka : Madan N, Sikka M, Sharma S, Rusia U. Prevalence of iron deficiency in thalassemia minor. *Indian J Hematol Blood Transfus.* 2014 Mar; 30(1):75.
- Prof. Satendra Sharma: Patnaik N, Agarwal S, Sharma S, Sharma S, Pandhi D. Evaluation of key histologic variables in skin biopsies of patients of borderline leprosy with type-1 lepra reaction. *Indian J Dermatol Venereol Leprol.* 2014 Sep-Oct; 80(5):402-8.
- Madan N, Sikka M, Sharma S, Rusia U. Prevalence of iron deficiency in thalassemia minor. *Indian J Hematol Blood Transfus.* 2014 Mar; 30(1):75.
- Prof. Usha Rani Singh: Goyal S, Singh UR, Sharma S, Kaur N. Correlation of mitotic indices, AgNor count, Ki-67 and Bcl-2 with grade and stage in papillary urothelial bladder cancer. *Urol J.* 2014 Mar 3; 11(1):1238-47.
- Shukla SK, Sharma SB, Singh UR, Ahmad S, Maheshwari A, Misro M, Dwivedi S. *Eugenia jambolana* pretreatment prevents isoproterenol-induced myocardial damage in rats: evidence from biochemical, molecular, and histopathological studies. *J Med Food.* 2014 Feb; 17(2):244-53.
- Parihar A, Sharma S, Bhattacharya SN, Singh UR. A clinicopathological study of cutaneous lichen planus. *Journal of Dermatology & Dermatologic Surgery,* 19 (2015) 21–26.
- Singh UR, Sharma AK. Journal club in a teaching Hospital of East Delhi. *Medicine and Medical Sciences,* 2015; 1(1): 002-004.
- Prof. Vinod Kumar Arora: Gami N, Mundhra R, Guleria K, Arora VK, Garg S. Recurrent pyometra and xanthogranulomatous salpingitis: A rare pathologic association in a postmenopausal lady. *J Midlife Health.* 2014 Jul; 5(3):156-8.
- Goyal R, Garg PK, Bhatia A, Arora VK, Singh N. Clinical audit of repeat fine needle aspiration in a general cytopathology service. *J Cytol.* 2014 Jan; 31(1):1-6.
- Tomar R, Srivastava R, Arora VK. Relevance of synovial cells in gouty tophus on fine needle aspiration cytology. *Indian J Pathol Microbiol.* 2014 Jul-Sep; 57(3):511-2.
- Prapanna P, Srivastava R, Arora VK, Singh N, Bhatia A, Kaur IR. Immunocytochemical detection of mycobacterial antigen in extrapulmonary tuberculosis. *Diagn Cytopathol.* 2014 May; 42(5):391-5.
- Pathak P, Srivastava R, Singh N, Arora VK, Bhatia A. Implementation of the Bethesda system for reporting thyroid cytopathology: interobserver concordance and reclassification of previously inconclusive aspirates. *Diagn Cytopathol.* 2014 Nov; 42(11):944-9.
- Prof. Navjeevan Singh: Tanveer N, Kaur N, Mishra K, Wadhwa N, Singh N. Is it ask in tumour? A question you must ask even in elderly. *J Clin Diagn Res.* 2014 Oct; 8(10):FD21-3.
- Goyal R, Garg PK, Bhatia A, Arora VK, Singh N. Clinical audit of repeat fine needle aspiration in a general cytopathology service. *J Cytol.* 2014 Jan; 31(1):1-6.
- Singh S, Singh N, Dhaliwal U. Near-peer mentoring to complement faculty mentoring of first-year medical students in India. *J Educ Eval Health Prof.* 2014 Jun 30; 11:12.
- Sehgal VN, Prasad PV, Kaviarasan PK, Singh N, Lal JB. Relapsing painful multiple ulcerative skin eruptions: Challenge. *Am J Dermatopathol.* 2014 Jun; 36(6):498-9, 516.

- Pathak P, Srivastava R, Singh N, Arora VK, Bhatia A. Implementation of the Bethesda system for reporting thyroid cytopathology: interobserver concordance and reclassification of previously nonconclusive aspirates. *Diagn Cytopathol.* 2014 Nov; 42(11):944-9.
- Prapanna P, Srivastava R, Arora VK, Singh N, Bhatia A, Kaur IR. Immunocytochemical detection of mycobacterial antigen in extrapulmonary tuberculosis. *Diagn Cytopathol.* 2014 May; 42(5):391-5.
- Dr. Sonal Sharma: Chhabra N, Pandhi D, Verma P, Sharma S. Inflammatory nevus comedonicus with epidermoid cyst. *Indian J Dermatol* 2014; 59:422.
- Shukla K, Dikshit P, Shukla R, Sharma S, Gambhir JK. Hypolipidemic and antioxidant activity of aqueous extract of fruit of *Withania coagulans* (stocks) Dunal in cholesterol fed hyperlipidemic rabbit model. *Indian J Exp Biol* 2014; 56:870-75.
- Dhawan AK, Grover C, Sharma S. Phenytoin induced pellagroid dermatitis. *Indian J Dermatol* 2014; 59(5):520-1.
- Patnaik N, Agarwal S, Sharma S, Sharma S, Pandhi D. Evaluation of apoptosis in skin biopsies of patients of borderline leprosy and leprosy type 1 reaction. *Indian J Dermatol* 2014.
- Goyal S, Sharma S, Kotru M, Sharma A. Ovarian lymphangioma masquerading as ectopic pregnancy: A clinical dilemma. *J Obstet Gynecol* 2014; 30:1-2.
- Daulatabad D, Singal A, Dhawan A, Pandhi D, Sharma S. Mucocutaneous leishmaniasis caused by *Leishmania donovani* infection in an Indian man. *Int J Dermatol* 2014 Dec 29 (Epub ahead of print).
- Pandhi D, Singal A, Sharma S, Agarwal S. Pigmented palmo-plantar papules and plaques. *Indian J Dermatol* 2014; 59(6):636.
- Sonthalia S, Khetan P, Sarkar R, Sharma S, Arora R. Solitary violaceous plaque over the abdomen. *Indian J Dermatol.* 2015 Jan-Feb; 60(1):108.
- Thawani R, Singh S, Sharma S, Sharma N. Infective gangrene in extremity trauma—Are we targeting the right organisms? *Indian Journal of Surgery* 01/2014; DOI:10.1007/s12262-014-1033-6.
- Sharma P, Sharma S, Singal A, Grover C, Singh UR. Utility of various softening agents in formalin fixed paraffin embedded inflammatory nail biopsies. *Indian Journal of Pathology & Microbiology* 2014; 57(supple 1):pS42.
- Agarwal S, Singh UR, Sharma S, Kaur N. Frequency of Topoisomerase2 alpha in carcinoma breast in a tertiary care hospital. *Indian Journal of Pathology and Microbiology.* 2014; 57(supple 1):pS25.
- Dr. Mrinalini Kotru: Sharma RK, Purohit A, Somasundaram V, Mishra PC, Kotru M, Ranjan R, Kumar S, Sazawal S, Pati HP, Tyagi S, Saxena R. Aberrant myeloid antigen co-expression is correlated with high percentages of CD34-positive cells among blasts of acute lymphoblastic leukemia patients: An Indian tertiary care centre perspective. *Blood Res.* 2014 Dec; 49(4):241-5.
- Dr. Neelam Wadhwa: Tanveer N, Kaur N, Mishra K, Wadhwa N, Singh N. Is it ask in tumour? A question you must ask even in elderly. *J Clin Diagn Res.* 2014 Oct; 8(10):FD21-3.
- Gupta N, Wadhwa N, Goyal A. Tuberculosis of nasopharynx masquerading as angiofibroma. *Indian J Tuberc.* 2014 Jul; 61(3):250-3.
- Wadhwa N. Osteosarcoma: Diagnostic dilemmas in histopathology and prognostic factors. *Indian J Orthop.* 2014 May; 48(3):247-54.

Afrose R, Nebhnani D, Wadhwa N. Cutaneous myeloid sarcoma of the penile foreskin. Turk Patoloji Derg. 2014 Jun 10.

Dr. Nadeem Tanveer: Tanveer N, Kaur N, Mishra K, Wadhwa N, Singh N. Is it ask in tumour? A question you must ask even in elderly. J Clin Diagn Res. 2014 Oct; 8(10):FD21-3.

Tanveer N, Mishra K. Chromoblastomycosis- A report of a rare fungal infection from non endemic region of north India. Ind J Basic and Appl Med Res; March 2015; 4(2), 72-75.

Dr. Preeti Diwaker : Mohanty SK, Pradhan D, Diwaker P, Gami A, Hanna IT, Freedman AM, Turi GK. Long-standing exophytic mass in the right infratemporal region. Syringocystadenocarcinoma papilliferum. Int J Dermatol. 2014 May; 53(5):539-42.

Dr. Vandana Puri : Jain M, Puri V, Beniwal A. Recurrent diffuse peritoneal leiomyomatosis following leiomyomata uterus. J Obstet Gynaecol India. 2014 Dec; 64(Suppl 1):105-6.

Nangia A, Sharma S, Sethi N, Puri V, Pujani M, Beniwal A. Pseudo-sickle anemia: 2 case reports Indian J Hematol Blood Transfus. 2014 Sep; 30(Suppl 1):303-4.

Conferences Attended

Dr. Usha Rani Singh: International Dermatopathology Conference and Annual DSI Meeting at Bangalore, India. 14-16 Nov. 2014 and 7th International CME in renal pathology & Annual Conference of ISRTP at Mysore, India. 1st -3rd August 2014.

Dr. Sonal Sharma: International Dermatopathology Conference and Annual DSI Meeting at Bangalore, India. 14-16 Nov. 2014 and 7th International CME in renal pathology & Annual Conference of ISRTP at Mysore, India. 1st-3rd August 2014.

Dr. Neelam Wadhwa: 7th Annual The Cytometry Society meeting & 15th Indo-US Clinical Cytometry Workshop 2014 at IRCH-AIIMS, New Delhi. 25 & 26 October 2014.

Dr. Priyanka Gogoi: Workshop on Manual Tissue Microarray Construction, UCMS & GTBH, Delhi, 12th April 2014 and 25th Silver Jubilee Annual Conference of Delhi Society of Hematology organized by Hematology Department. V. M. Medical College & Safdarjung Hospital at Hotel Leela Palace, Delhi, 21st September 2014.

Dr. Preeti Diwaker: 29th Annual Conference IAPM-Delhi chapter Army hospital (R & R), Delhi, 9th March, 2014.

Dr. Vandana Puri: 25th Silver Jubilee Annual Conference of Delhi Society of Hematology organized by Hematology Department. V. M. Medical College & Safdarjung Hospital at Hotel Leela Palace, Delhi, 21st September 2014 and the 55th Annual Conference of Indian Society of Haematology & Blood Transfusion (ISHBT) at Hyderabad, 6-8th November 2014.

Faculty Strength: Permanent – 13; Temporary: 1

Number of National Journals Subscribed

Total No. of Indian Journals Subscribed : 99

Total No. of Indian Journals Subscribed for Pathology : 4

Number of International Journals Subscribed

Total No. of Foreign Journals Subscribed : 274

Total No. of Foreign Journals Subscribed for Pathology : 20

PEDIATRICS (MAMC)

Activitites and Achievements

Dr. S.Yadav, Invited panelist for Total Health DD Live for Immunization April 2014 and invited panelist for Total Health DD Live for Thyroid Disorders Aug. 2014 Conducted workshop for School Adolescents related to Adolescent Health Issues at Ludhiana, Nov. 2014.

Research Schemes

On-going projects:

S.No	Project	Faculty	Funding
1	ICMR Task Force for Registry of People with Diabetes in India with young age at the onset: Multicentric study.	Dr. S.Yadav, Investigator of Reporting centre.	ICMR
2	Awareness of antibiotic resistance and antibiotic prescription for treatment of acute upper respiratory tract infection and diarrhea in children: a qualitative study among primary care doctors and community pharmacists in NCT, Delhi.	Dr. U Jhamb, Co-investigator	WHO
3	DBT-SAM Feeding Protocol	Dr. K Rajeshwari, Co-investigator	Department of Biotechnology
4	Study of safety & immunogenicity of varicella vaccine	Dr. AP Dubey	
5	Study of safety & immunogenicity of Rotavirus vaccine	Dr. AP Dubey	
6	Study of RUTF vs Home based diet in children with severe Acute Malnutrition	Dr. AP Dubey	
7	A novel feasibility study of newborn screening for treatable disorders and epidemiologic data generation for inborn metabolic errors in Delhi state.	Dr. Seema Kapoor, Principal Investigator	
8	Ongoing project by Govt. of NCT, Delhi on "Antenatal screening of women for thalassaemia status".	Dr. Seema Kapoor, Co-ordinator	
9	Clinical application of array-based Comparative Genomic Hybridization (array CGH) in the genetic evaluation of stillbirths"	Dr. Seema Kapoor, Principal Investigator	
10	Evaluation of solid phase and solvent phase extraction procedures for urinary organic acids and molecular characterization of Methylmalonic acidemia."	Dr. Seema Kapoor, Principal Investigator	
11	Study of Chromosomal Instability and mRNA expression of TNF- α in patient with Fanconi Anemia"	Dr. Seema Kapoor, Principal Investigator	

12	To study the additive predictability of Non-HLA markers in first degree relatives of children with Celiac Disease” funded currently for proof of concept	Dr. Seema Kapoor, Principal Investigator	
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Details of thesis completed during current year

S.no.	Title of thesis work	Name of PG student
1.	Assessment of serum opacity factor (sof) gene as a marker for detection of streptococcus pyogenes in acute rheumatic fever	Dr. Nikki Agarwal
2.	Evaluation of melan platelet volume and anti-tissue transglutaminase antibody for monitoring celiac disease in children	Dr. Mohanaraj R.
3.	Pulse oximetry screening to detect congenital cyanotic heart disease in neonates	Dr. Ankit Gupta
4.	Cardiovascular parameter in obese children and adolescents	Dr. Krishna Kishore U
5.	Neurodevelopmental status of children ages 6-30 months with congenital heart disease	Dr. Kusum Lata
6.	A study of neurological and behavioural manifestations of pediatric hiv infection	Dr. A. Mohammed Fazil
7.	Feeding problems in children with autism spectrum disorders	Dr. Ajay Gupta
8.	Clinico -radiological spectrum of children presenting with disproportionate short stature	Dr. Namita R. Kumar
9.	Clinico-biochemical study of neonatal seizures	Dr. Deepti Chawla
10.	Urine calcium: a marker for predicting metabolic bone disease in preterm infants	Dr. Mohit Ajmera
11.	Acute kidney injury in children treated with aminoglycosides	Dr. Priyanka
12.	Cartridge based nucleic acid amplification test (cbnaat) for the diagnosis of pulmonary tuberculosis in children	Dr. Manvi Singh
13.	Comparison of 0.45% vs. 0.2% normal saline in 5% dextrose as intravenous maintenance therapy in children admitted in pediatric intensive care unit	Dr. Asha Benazir. M
14.	Assessment of adequacy of supplementation of vitamin in very low birth weight preterm neonates	Dr. Ashish Saini
15.	Clinico-etiological study of chronic diarrhoea in children	Dr. Jasmine Jaiswar

Training Courses/Conferences/Workshops Organized

Dr. S.Yadav Chairperson Organizing Committee Workshop Addressing Adolescent health needs: Case based approach July 2014.

Publications: 68

Anand T, Ingle G.K., Meena G.S, Kishore J, Yadav S. Dietary Behavior, Body Mass Index and Level of Physical Activity amongst School Adolescents in Delhi: A Need for Life Skills-Based Education. Indian Journal of Youth and Adolescent Health 2014; 1(1):5-17.

S Yadav , MV Manglani , DH Ashwath Narayan, S Sharma, HS Ravish, R Arora, V Bosch Castells, S Arya, and P Oster Safety and Immunogenicity of a Quadrivalent Meningococcal Conjugate Vaccine (MenACYW-DT): A Multicentre, Open-label, Non-randomized, Phase III Clinical Trial. Ind Ped 451-456.

Yadav S, Dabas A. Approach to Short Stature Indian J Pediatr DOI 10.1007/s12098-014-1609-y.

- Meena JP, Gupta A, Mishra D, Juneja M. Beals-Hecht syndrome (congenital contractural arachnodactyly) with additional craniospinal abnormality: a case report. *J Pediatr Orthoped. Part B*. 2014 Dec 9 [epub ahead of print].
- Mishra D, Sharma S, Sankhyan N, Konanki R, Kamate M, Kanhere S, *et al.* for the Multi-disciplinary Group on Management of Status Epilepticus in Children in India. Consensus Guidelines on Management of Childhood Convulsive Status Epilepticus. *Indian Pediatr.* 2014; 51:975-90.
- Mishra D, Juneja M. Kocher-Debre-Semelaigne syndrome. *J Pediatr Neurosc.* 2014; 9:289-90.
- Kaur S, Juneja M, Mishra D, Jain S. Anti-N-methyl-D-aspartate receptor encephalitis: A case-report and review of literature. *J Pediatr Neurosc.* 2014; 9:145-7.
- Gulati S, *et al*, Mishra D. INCLIN Diagnostic Tool for Neuro-motor Impairment (INDT-NMI) for primary care physician: Development and validation. *Indian Pediatr.* 2014; 51: 613-19.
- Konanki R, Mishra D, Gulati S, *et al.* INCLIN Diagnostic Tool for Epilepsy (INDT-EPI) for primary care physicians: Development and validation. *Indian Pediatr.* 2014; 51: 539-43.
- Juneja M, Mishra D, Russell PSS, *et al.* INCLIN diagnostic tool for Autism Spectrum Disorder (INDT-ASD): Development and validation. *Indian Pediatr.* 2014; 51: 359-65.
- Mukherjee S, *et al*, Mishra D. INCLIN diagnostic tool for Attention Deficit Hyperactivity Disorder (INDT-ADHD): Development and validation. *Indian Pediatr.* 2014; 51: 457-62.
- Singh A, Solanki P, Mishra D. Publication rate of scientific papers presented at the XXVI Annual Convention of National Neonatology Forum (NEOCON 2006). *Indian J Pediatr.* 2014 July 8 (E-pub).
- Singh J, Soni D, Mishra D, Singh HP, Bijesh S. Placental and Neonatal outcome in maternal malaria: A prospective cohort study from Central India. *Indian Pediatr.* 2014; 51:285-8.
- Juneja M, Jain R, Chakrabarty B, Mishra D, Saboo P. Indian children with developmental disabilities: Early versus late referral for intervention. *Indian J Pediatr.* 2014. 81:1177-81.
- Dhingra D, Mishra D. Publication Misconduct among Medical Professionals in India: An Exploratory Study. *Indian J Med Ethics.* 2014; 11:104-7.
- Sharma N, Mishra D. Papaya leaves in dengue fever: is there scientific evidence? *Indian Pediatr.* 2014; 51: 324-5.
- Mishra D, Nikunj NK. Benign infantile seizures with mild gastroenteritis. *Indian Pediatr.* 2014; 51: 585-6.
- Sharma N, Mishra D. International Classification of Headache Disorders, 3rd Edition: What the pediatrician needs to know! *Indian Pediatr.* 2014; 51: 123-4.
- Mishra D, Kaur S. Post-traumatic headache: an uncommon but treatable entity. *J Clin Diagn Res.* 2014; 8:169-70.
- Singhal S, Mishra D, Kurein S, Juneja M. Primary treatment of Kawasaki disease with corticosteroids. *J Clin Diagn Res.* 2014; 8:P04-05.
- Mishra D, Juneja M, Chutani T, Chowdhury D. Cryptogenic gelastic epilepsy. *J Clin Diagn Res.* 2014; 8:158-9.

- Kaur S, Mishra D, Juneja M. Acute renal failure in tetanus. *Indian J Pediatr.* 2014; 81(2):207. Author's reply. *Indian J Pediatr.* 2014 Nov; 81(11):1275.
- Pawaria A, Mishra D, Juneja M, Meena J. Atypical manifestations of dengue fever in children in Delhi. *Indian Pediatr.* 2014; 51:495-6.
- Sharma N, Mishra R, Mishra D. Diagnostic and Statistical Manual, 5th edition: What the pediatrician needs to know! *Indian Pediatr.* 2015; 52 (2) (in press).
- Meena JP, Jose J, Juneja M, Mishra D, et al. Tuberculous aortic root abscess in a child: A case-report. *Indian J Child Hlth.* 2014 (online early).
- Rana P, Mishra D. Quality of life of unaffected siblings of children with chronic neurological disorders. *Indian J Pediatr.* 2015 (in press).
- Mishra D, Nikunj NK, Juneja M, Talukdar B. Benign infantile seizures: A case series. *Indian Pediatr.* 2015; 52 (2) (in press).
- Kaur S, Juneja M, Mishra D. Diffuse cystic lung disease in a child. *Lung India.* 2014 (in press).
- Dobhal M, Juneja M, Jain R, Sairam S, Thiagarajan D. Health-related quality of life in children with cerebral palsy and their families. *Indian Pediatr.* 2014 May; 51(5):385-7.
- Malik A, Taneja DK, Devaswapetty N, Rajeshwari K. Zinc supplementation for prevention of acute respiratory infections in infants a randomized controlled trial. *Indian Pediatric* 2014; 51 (10): 780-4.
- B. Vyas A, Rajeshwari K, Kurien A, Mehta V, Pandarikar N, Tyagi S. An unusual cardiac mass resolving with antitubercular treatment. *Ann Pediatric Cardioal* 2014; 7 (3): 204-6.
- Yadav A, Sethi GR, Mantan M, Dhingra D. Non-response to the intensive phase of anti-tuberculosis treatment in children : evaluation and outco. *Int J Tuberc Lung Dis.* 2014 Apr; 18(4):394-6.
- Jain M, Singh A, Mantan M, Kapoor S. Evaluation of structural anomalies of kidney and urinary tract in children with Down syndrome. *Indian J Pediatr.* 2014 Jul; 81(7):734.
- Dhingra D, Sethi GR, Mantan M. Unilateral phrenic nerve palsy: a rare manifestation of vincristine neurotoxicity. *Indian J Pediatr.* 2014; 81(9):957-8. Author' s Reply; 81(12):1430.
- Dhingra D, Sethi GR, Mantan M. Unilateral phrenic nerve palsy: a rare manifestation of vincristine neurotoxicity: authors' reply. *Indian J Pediatr.* 2014 Dec.
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Books/Chapters contributed

Yadav S. Mantan M. Measles vaccine. In IAP Textbook of vaccines. Ed. Vashishtha VM, Agarwal R, Sukumaran TU. 2014 Jaypee Bros. 1st Edn. New Delhi. 265-272.

Yadav S. Dabbas A. Rubella vaccine. In IAP Textbook of vaccines. Ed. Vashishtha VM, Agarwal R, Sukumaran TU. 2014 Jaypee Bros. 1st Edn. New Delhi. 273-278.

Yadav S. Mumps vaccine. In IAP Textbook of vaccines. Ed. Vashishtha VM, Agarwal R, Sukumaran TU. 2014 Jaypee Bros. 1st Edn. New Delhi. 284-289.

Bhave SY, Yadav S, Agarwal H, Dabas A, Vyas V. Issues related to Puberty. In Case scenarios in Pediatric and Adolescent Practice. Ed. Parthasarthy A. 2014 Jaypee Bros. New Delhi. 721-727.

Yadav S “Challenges and Opportunities in Adolescent Health” In Souvenir 21st Professional Medical Conference MEDICON NTPC.

Yadav S and Kaviya L Pharmacokinetics and Pharmacodynamics- Pediatric aspects. In Rational Use of Antimicrobials– Indian Perspective Ed Saini N, Baveja U and Saha R. IMA Publication, New Delhi 2015 155-162.

Yadav S and Rustogi D Antimicrobial Therapy in Newborns. In Rational Use of Antimicrobials– Indian Perspective Ed Saini N, Baveja U and Saha R. IMA Publication, New Delhi 2015. 41-425.

Jhamb U. Corrosive poisoning in children. 1st edition. Eds Piyush Gupta. (Section Editor Rakesh Lodha) 2015, pp 302-306.

M Juneja, Chapters on ‘Developmental assessment’ in clinical methods in Pediatrics 3rd Edition. Editor: Piyush Gupta.

M Juneja, Chapter on Autism Spectrum Disorder and ‘Rett’s Syndrome in PG text book of Pediatrics, Editors: Piyush Gupta, PSN Menon, Sidharth Ramji, Rakesh Lodha

Dr. S Kapoor contributed three chapters for the postgraduate textbook of Pediatrics: Fatty acid Oxidation defects; Newborn Screening; and Genetic basis of cardiac malformations.

Dr. D. Mishra has contributed a chapter in the Text Book on ‘Epilepsy in Children ’ edited by Dr: Passi G, Thora S, Goswami VP, et al. of Jaypee Brothers Medical Publ, Delhi; Ed . 2014.

A Book ‘The Best of Indian Pediatrics (for pediatricians) has been edited by Dr. D. Mishra and published by CBS Publishers & Distributors Pvt Ltd., Delhi; 2nd ed: 2014.

Dr. Sumaira Khalil has contributed a chapter “Genetics of Heart disease” in the Post Graduate Textbook of Pediatrics edited by Dr. Piyush Gupta.

Dr. Sumaira Khalil has contributed a chapter “Breath holding spells” in the Post Graduate Textbook of Pediatrics edited by Dr. Piyush Gupta.

Conferences/Workshops/Symposia Attended

Dr. U Jhamb, Attended training of trainers for simulation programme in intensive care at HyDrabad on 16-18th Sept 2014.

Dr. AP Dubey: Delhi state conference of IAP held in Dec, 2014.

M Juneja delivered Talks on 'Early Start Denver Model for young children with Autism' and 'INDT-ASD' at A five-day Certificate Training Program on 'Autism Spectrum Disorders (ASD):Current issues and Role of Early Interventionists'Organized by The Com DEALL Trust, Bangalore on 20th August 2014.

Dr. S.Kapoor attended "The Joint Garrod and Canadian New Born and child screening symposium" held in Canada from 29th – 31st, May 2014 and Practical Cardiology in Pediatrics Practice at CHL Apollo A-B Road Indore on 8th January, 2014 also attended International conference on Inborn Errors of metabolism and 3rdannual conference of ISIEM to be held in Hyderabad from September 19th to 21st, 2014.

M. Mantan delivered talk on "Neonatal AKI" at the Pediatric Nephrology Update 2014 held at Gangaram Hospital, New Delhi on 27th April 2014 and delivered talk on "Neonatal AKI: management & outcomes" at the XII Asian Congress of Pediatric Nephrology held in New Delhi from 4th -6th December, 2014.

D. Mishra was invited faculty at Pediatric Neurology CME at SS Medical College, Rewa, MP on 27th November, 2014, and gave lectures on 'Childhood Status Epilepticus' and attended 4th National Conference on Health Professionals Education in September, 2014 at Wardha, Maharashtra.

A Agarwal, Faculty at Asthma update at Jaipur Golden Hospital, with session on pathophysiology of asthma. 7 May, 2014

Dr. M Walia attended RTI-GEM, Training of Trainers workshop held under the aegis of IAP Respiratory Chapter at Delhi, 21 Dec 2014.

S Khalil attended "National CME on Research Methodologies and Scientific writing" organized by Department Of Neurology, G B Pant Hospital, New Delhi:16th November 2014.

S Khalil attended the '2014 APHL Newborn Screening and Genetic Testing Symposium' at Anaheim, Ca, USA from 27th -30th October 2014.

International

Dr. AP Dubey, International: Asian congress of infectious disease held at Beijing, China in October 2014.

Dr. S.Yadav, Attended the 53rd ESPE 2014 at Dublin Ireland from 18th Sept. to 20th Sept. 2014. The following posters were presented at 53rd ESPE 2014 at Dublin Ireland from 18th Sept. to 20th Sept. 2014: How early is the rise in Leptin levels in Small for gestational Age children with catch up growth?.

Dr. S. Kapoor, attended "The Joint Garrod and Canadian New Born and child screening symposium" held in Canada from 29th – 31st, May 2014.

Visitors

Dr. Chitra Prasad from Canada deliberated on Approach to IEMS on 30th December2014.

Honours/Distinctions

Dr. S.Yadav, Delivered talk on Basic clinical approach to short stature at Growth Symposium at Jaipur April 2014 and invited Faculty for 21ST Medicon and made Key Note Address on Adolescent Challenges and Opportunities at Singrauli May 2014 and invited Faculty and Delivered talk on Eating Disorders at ADOLESCON 2014 Ludhiana Nov. 2014

Dr. S.Kapoor, Appointed Member of the External Standing-cum-Screening Committee (ESSC) of the DBT for the sections- Biotechnology Based Programme for Women Biotechnology based Programme for Rural sections and Biotechnology based Programme for SC/ST.

S. Khalil presented an oral paper on 'Congenital Hypothyroidism Detected In Newborn Screening: Three Years of Data from a Tertiary Care Centre in India' at 2014 APHL Newborn Screening and Genetic Testing Symposium' at Anaheim, Ca, USA from 27th -30th October 2014.

New Facilities Added

Creditable Achievement: Tandem Mass Spectrometry attained Accreditation From CDC Atlanta with 100% report.

Tests Standardized this year:

- a) Rifampicin levels on HPLC
- b) Citrulline on HPLC

Newborn screening for TSH, 17- hydroxyprogesterone, Total galactose

Faculty Strength : 4

PEDIATRIC SURGERY (MAMC)

Activities and Achievements

The Department of Paediatric Surgery, Maulana Azad Medical College successfully organized the 8th Paediatric Surgery Update.

Honours/Distinctions

Dr. S K Aggarwal: Strengthened interdepartmental and inter-institution collaboration with Pediatric Pulmonology, GI Surgery, Surgery, Plastic Surgery and CTVS, LHMC, GBPH and GTB Hospital.

National Training Programmes in Laparoscopic Surgery: Faculty for training Program under the aegis of CEMAST.

Dr. Yogesh Kumar Sarin: Chaired lecture Abdominal tuberculosis in childhood: common issues, common mistakes! In Abdominal tuberculosis revisited organized by Medanta Institute of Digestive and Hepatobiliary Sciences; 16 February 2014, India Habitat Centre, New Delhi.

Delivered lecture Surgical treatment of Wilms' tumor in 'Pediatric Solid Tumors - Books to Bedside', December 5-6, 2014, Bombay Hospital, Mumbai.

Nominated as executive member of 3 more scientific journals in this period; editorial board member of 15 journals now-

- a. Journal of Pediatrics and Neonatal Care since 2014.
- b. Pediatric Hematology Oncology since 2014.
- c. Pediatric Education and Research since 2015.

Editor-in-chief of Journal of Neonatal Surgery, which got indexed in PubMed, Medline in 2015.

Publications

Complications of long-standing foreign body in the airway and their outcomes after endoscopic management: an experience of 20 cases. Aggarwal SK, Sinha SK, Ratan SK, Dhua A, Sethi GR. *J Laparoendosc Adv Surg Tech A*. 2015 Jan; 25(1):81-7.

Hormonal profile in children with isolated hypospadias associates better with comprehensive score of local anatomical factors as compared to meatal location or degree of chordee. Ratan SK, Aggarwal SK, Mishra TK, Saxena A, Yadav S, Pandey RM, Sharma A, Dhanwal D. *Indian J Endocrinol Metab*. 2014 Jul; 18(4):558-64.

Laparoscopic repair of hernia in children : Comparison between ligation and nonligation of sac. Pant N, Aggarwal SK, Ratan SK. *J Indian Assoc Pediatr Surg*. 2014 Apr; 19(2):76-9.

Laparoscopic-assisted transanal pull-through for Hirschsprung's disease: Comparison between partial and near total laparoscopic mobilization of rectum. Mathur MK, Aggarwal SK, Ratan SK, Sinha SK. *J Indian Assoc Pediatr Surg*. 2014 Apr; 19(2):70-5.

Mangukia CV, Agarwal S, Satyarthi S, Aggarwal SK, Dutt V, Satsangi DK. Management of iatrogenic RV injury: RV packing and CPB through PTFE graft attached to femoral artery. *Annals of Pediatric Cardiology* 2015;8(1): 53-55.

Singh V, Parakh A, Aggarwal SK, et al. Inflammatory myofibroblastic tumor: an unusual mimicker of childhood intrathoracic tuberculosis. *J Pediatr Hematol Oncol* 2014; 36(7):426-429.

Sinha, S., Dhua, A. (2014). Energy Sources in Neonatal Surgery: Principles and Practice. *Journal Of Neonatal Surgery*, 3(2), *J Neonat Surg*. 2014; 3(2):17.

Sarin YK, Mirza MB. *Journal of Neonatal Surgery Celebrates Second Anniversary*. *J Neonat Surg*. 2014; 3(1):1.

Sarin YK, Rahul SK, Sinha S, Khurana N, Ramji S. Antenatally diagnosed Wilms' tumour – a case report. *J Neonat Surg*. 2014; 3(1):8.

Sarin YK, Raj P, Thakkar N. Perils of total colonic aganglionosis presenting in neonatal age. *J Neonat Surg*. 2014; 3(3):28.

Raj P, Sinha SK, Ramji S, Sarin YK. Hereditary multiple gastrointestinal atresias associated with choledochal cyst: a rare entity with management dilemma. *J Neonat Surg*. 2014; 3(3):39.

Sinha S, Khurana N, Sarin YK. Clear cell sarcoma of the kidney: report of two cases. *APSP J Case Rep*. 2014; 5(3): 32.

Raj P, Sarin YK. Congenital tuberculosis in a neonate, a diagnostic dilemma with high mortality and lesson learnt. *J Neonat Surg*. 2014; 3(4): 49.

Raj P, Sarin YK. Segmental dilatation of ileum associated with anterior thoracolumbar meningocele and bilateral undescended testes. *APSP J Case Rep* 2015; 6 (1): 5.

Raj P, Sarin YK. Acute fulminant necrotizing amoebic colitis leading to intestinal perforation and peritonitis. *APSP J Case Rep* 2015; 6 (1): 10.

Jain A, Kumar P, Jindal A, Sarin YK. Congenital diaphragmatic hernia in a case of Patau syndrome: A Rare Association. *J Neonat Surg*. 2015; 4(2):20.

Khanolkar A, Sarin YK. Unusual gross pneumocephalus and pneumoperitoneum after VP shunt surgery: A Case Report. *J Neonat Surg.* 2015; 4(2):21.

Raj P, Sarin YK. Umbilicus: A site for stoma in Hirschsprung's disease. *J Neonat Surg.* 2015; 4(2):24.

Thakkar NC, Sarin YK, Khurana N. Extrarenal Wilms' tumor. *APSP J Case Rep* 2015; 6 (2): 17.

Raveenthiran V, Sarin YK. When there is Confusion and Conflicts - Ask Delphi! *J Neonat Surg.* 2015; 4(3):26.

Mirza B, Sarin YK. *Journal of Neonatal Surgery: Now on PubMed.* *J Neonat Surg.* 2015; 4(3).

Sarin YK, Raj P, Khurana N. Recurrent monophasic Wilms' tumor in pelvic kidney – a therapeutic challenge. *APSP J Case Rep* 2015 (in press).

Sinha S, Sarin YK. Rituximab for opsoclonus myoclonus ataxia syndrome associated with neuroblastoma. *Indian J Pediatr.* 2014; 81: 218-9.

Sarin YK. Expert commentary-2 on Raveenthiran V. When a woman is not a woman: problems and perspectives of congenital adrenal hyperplasia. *JIMSA.* 2014, 27: 72.

Sarin YK, Graf N. Management of recurrent Wilms' tumor. *JIMSA.* 2014, 27: 90-3.

Hari P, Sarin YK, Mathew JL. Antimicrobial prophylaxis for children with vesicoureteral reflux. *Indian Pediatr.* 2014 Jul 8; 51(7):571-2.

Conferences Organized/Attended

International

Dr. SK Aggarwal attended IPEG (International Pediatric Endosurgery Group) annual conference at Edinburgh, U.K.

Dr. Simmi K Ratan was also the co-author of the paper presented at IPEG's 23rd Annual Congress for Endosurgery in Children, held on July 22-26, 2014.

Faculty Strength: Permanent - 4

Number of National Journals Subscribed: Subscribed in Central Library

Number of International Journals Subscribed: Subscribed in Central Library

PHARMACOLOGY (MAMC)

Activities and Achievements

The faculty from the department is actively involved in the implementation of the Drug Policy of Government of India in public health facilities. These activities include preparation of the list of essential medicines for public health facilities under Delhi Government, involvement in procurement of low cost, quality essential medicines, sensitizing doctors to rational prescribing and initiating the making of Drugs & Therapeutic Committees in all Delhi Government hospitals.

The Department of Pharmacology, MAMC has been made an adverse Drug Reaction Monitoring under the Pharmacovigilance Programme in India, Ministry of Health & Family Welfare, Government of India. The aim of this programme is to create awareness about adverse Drug reactions

amongst health professionals and increase reporting about the same. This information is being forwarded to the National Coordination Centre Pharmacovigilance Programme of India (NCC-PvPI), Indian Pharmacopocia Commission, Ghaziabad.

Honours /Distinctions

Dr. Manushi Aggarwal got 3rd prize for oral presentation of paper “Pattern of adverse Drug reactions due to cancer chemotherapy in a tertiary care teaching hospital in New Delhi” in CLINRESCON-2014 held at Lucknow.

Dr. Akhil Dahiya Paper “Fixed Dose Drug Combinations: A to Z analysis” was chosen among the Best Three Papers in Public Health Conference in Bangkok, Thailand held on July 12-14, 2014.

Dr. Shariq Syed got 3rd Prize for best poster presentation for “ADR. analysis Request e-form:A mobile app” in Annual conference of Society of Pharmacovigilance (SOPICON) 2014 held at Aligarh Muslim University.

Research Projects

Ongoing Projects: 16

Name of Research Project	
Pharmacokinetic and pharmacogenomic correlation of blood levels of rifampicin in patients with tuberculosis.	Dr. Shilpa Daniel Supervisor- Dr. Vandana Roy Co-Supervisors- Dr. MK Daga, Dr. Seema Kapoor, Dr. Shalini Chawla
Assessment and management of factors in poorly controlled Type-2 diabetes mellitus in patients on high dose insulin therapy in combination with metformin and/or sulfonylurea.	Dr. Rajeew Prabhat Tiwari Supervisor- Dr. Shalini Chawla Co-Supervisors- Dr. Uma Tekur, Dr. Dhanwal
Efficacy of various Iron preparations in the treatment of iron deficiency anaemia in pregnant woman- A comparative study.	Dr. Suyash Chavan Supervisor- Dr. Uma Tekur Co-Supervisors- Dr. Shalini Chawla, Dr. R Tripathi
Antipsychotic Drug prescribing, adverse Drug reaction monitoring, cost of treatment, and quality of life assessment of outpatients at a tertiary care hospital in Delhi.	Dr. Shankar Kumar Supervisor- Dr. Shalini Chawla Co-Supervisors- Dr. Vandana Roy, Dr. RC Jiloha
Utilization and costs of antimicrobials used in medicine and surgery departments of a tertiary care teaching hospital.	Dr. Bimba HV Supervisor- Dr. Vandana Roy Co-Supervisors- Dr. Shalini Chawla, Dr. MK Daga, Dr. Sushanato Neogi
Availability, use and costs of pediatric dosage formulations in India: A Case Study.	Dr. Himanshu Tayal Supervisor- Dr. Vandana Roy Co-Supervisors- Dr. AP Dubey, Dr. Shalini Chawla

Publications

Total: 19
National Journals: 09
International Journals: 10

Lahoti A, Kalra BS, Tekur U. Evaluation of the analgesic and anti-inflammatory activity of fixed dose combination: Non-steroidal anti-inflammatory Drugs in experimental animals. *Indian J Dent Res.* 2014; 25(5):551-4.

Gupta D, Gulati A, Singh I, Tekur U. Endoscopic, radiological, and symptom correlation of olfactory dysfunction in pre- and postsurgical patients of chronic rhinosinusitis. *Chem Senses* 2014; 39(8):705-10.

Roy V, Gupta U. Improving use of medicines: Implementation of an Essential medicines Policy in Public Health Facilities in Delhi (India). *Journal of Health Management.* 2014; 16(4):527-546.

Syed S N, Rizvi W, Kumar A, Khan AA, Moin S. In vitro antioxidant and In vivo hepatoprotective activity of leave extract of *Raphanus sativus* in rats using CCl₄ model. *Afr J Tradit Complement Altern Med.* (2014); 11(3):102-106.

Uppal D, Agarwal M, Roy V. Assessment of knowledge, attitude, and practice of self-medication among college students. *Int J Basic Clin Pharmacol.* 2014; 3(6):988-994.

Syed SN, Misra P, Kalra B, Rizvi W. Time to reinvent the branch of medical pharmacology. *Int J Basic Clin Pharmacol.* 2014; 3(2): 413-414.

Syed SN, Roy V, Misra P, Dahiya A. The curious case of lomitapide. *Asian Journal of Pharmaceutical and Clinical research* 2015; 15(1).

Conferences Organized

Dr. Vandana Roy: Coordinator for sensitization programme on Essential Medicines Concept, Rational use of Medicines and Drugs and Therapeutic Committees for doctors working in Delhi Government Hospitals. January 2014.

Conferences Attended

Dr. Uma Tekur: Current Regulatory Requirements for Members of Institutional Ethics Committees organized by CDSA at Delhi, 18-19th Dec 2014.

Dr. Vandana Roy: Resource person- Sensitization of doctors working in Delhi Government Health Facilities on Improving use of medicines, Essential medicine concept and Drugs and Therapeutics Committees. Interacted with doctors in Deep Chand Bandhu Hospital, Ashok Vihar on 8th January, Jag Pravesh Chander Hospital, Shastri Park on 10th January, and Lok Nayak Hospital on 24th January, 2014.

Participated and presented a paper "Improving Availability of Medicines: Implementation of an Essential Medicines Policy in Public Health Facilities in Delhi (India)", at National Medicines Symposium 2014: Medicines in Health, Shaping Our Future. Organized by NPSWise, a Non Governmental Organization and Ministry of Health, Government of Australia, at Brisbane, May 21st-23rd, 2014.

Dr. Shalini Chawla & Dr. Bhupinder Singh: Participated in National conference on alternatives to animal use in experimentation (20th-21st November, 2014) organized by CPCSEA, Ministry of Environment and Forests.

Number of Ph.D & M.Phil Degrees Awarded: 3

Faculty Strength: Permanent: 5; Contract: 2

Number of National Journals Subscribed (online+print version)

Print version: One (Indian journal of Pharmacology)

Other Significant Information

Dr. Supriya Bhalereo, Scientist in Interactive Research, from School of Health Affairs, Bharati Vidyapeeth Deemed University, Pune visited the Department and gave a lecture on “Introduction to Ayurveda”, on November 8th, 2014.

PHARMACOLOGY (LHMC)

Honours and Distinctions

Best poster award for study entitled ‘Systemic corticosteroids alter apoptotic markers and improve quality of life in Asthma’ at Lipid Association of India, 1st international Summit, held in New Delhi, 2014. Presented by: Dr. Shashikant Bhargava, final year MD (Pharmacology) postgraduate trainee.

Best Paper award for the paper entitled “A randomised controlled trial to assess and compare the efficacy and safety of Atorvastatin and Atorvastatin Plus Omega 3 Fatty Acids combination therapy in hyperlipidemic patients” during the 1st International Summit on New Horizons in Dyslipidaemia (Aug 2014). Presented by Dr. Sanchit Gupta, final year MD (Pharmacology) postgraduate trainee.

Inter Institutional Collaboration

The department participates in the Pharmacovigilance Programme of India in collaboration with Indian Pharmacopeia Commission, Government of India.

Publications

Total number in indexed journals: 09

International:

Arora T, Rehan HS. A perspective on role of calcium and vitamin D in cardiovascular outcomes and lipid profile. DOI: 10.1515/jbcpp- 2014-2016, April 2015.

Bhargava S, Prakash A, Rehan HS, Gupta LK. Effect of systemic corticosteroids on serum apoptotic markers and quality of life in patients with asthma. *Allergy Asthma Proc* 2015; 36:1-8.

Rehan HS, Chopra D, Holani SN, Mishra R. An observational study to compare the contents and quality of information furnished in CDSCO ADR. reporting form, Yellow card, Medwatch and Blue form by the healthcare professionals. *Int J Risk Saf Med*. 2014; 26(1):1-8.

Rachna Gupta, Gupta LK, Bhattacharya SK. Chronic administration of modafinil induces hyperalgesia in mice: Reversal by L-NG-nitroarginine methyl ester and 7- NI. *European J Pharmacology* 2014; 736:95-100.

National:

Rehan HS, Arora T, Kumar S, Bhajoni PS. Amikacin and diclofenac induced nephrotoxicity: A drug-drug interaction. *J Rational Pharmacother* 2014; 2:53-55.

Chopra M, Rehan HS, Gupta R, Ahmad FJ, Tariq MD, Gupta LK. Comparison of aqueous humour concentration after single high dose versus multiple administration of topical moxifloxacin in rabbits. Indian J Pharm Sci. 2014; 76(5):462-5.

Rehan HS, Deepti Chopra, Madhur Yadav, Neeta Wardhan, Seema Manak, KM Siddiqui, Mohd. Aslam Safety and efficacy of Qurse-e-istisqua in chronic hepatitis C Infection: An exploratory study. Indian Journal of Pharmacology, 2015; 47(1):1-8.

Rehan HS, Manak S, Yadav M. Supervised conventional interferon α 2a in combination with ribavirin therapy is the preferred alternative for treatment of chronic hepatitis C. Indian J Pharmacol 2014; 46:490-2.

Rehan HS, Chopra D, Yadav M, Wardhan N, Manak S, Siddiqui K, Aslam M. Safety and efficacy of Qurse-e-istisqua in chronic hepatitis C Infection: An exploratory study. Indian J Pharmacol 2015; 47:72-9.

Number of PhD/M.Phil/MD Degrees Awarded

MD (Pharmacology) awarded to three students.

Faculty Strength: Permanent – 6; Temporary - 2

Number of National Journals Subscribed (online+ paperback version): 13

Number of International Journals Subscribed (online+ paperback version): 176

Other Significant Information

The Department in collaboration with IPC Ghaziabad is participating in the Pharmacovigilance Programme of India and is among the top five national centres in terms of Adverse Drug reaction monitoring.

PHYSIOLOGY (UCMS)

Activities and Achievements

Dr. Singh, SatenDra: Chief Guest at Junoon 2014-a National sports fest for youth with disabilities, at BITS Pilani on 6 Sept 2014. Upgradation of 2 PG labs: Electrophysiology lab and Autonomic function testing lab; labs renovated and new equipment installed.

Honours/Distinctions

Name	Assignment	Dates
Dr. Singh, SatenDra	Appointed Member, Institutional Committee for Stem Cell Research, Institute of Nuclear Medicine and Allied Sciences (INMAS), Defence Research & Development Organization (DRDO), Delhi.	2015-2017
Dr. Vaney, Neelam	Member of Board of Studies Aligarh Muslim University.	2014-2015

Assignments in Academic Associations (National and International):

Name	Assignment	Dates
Dr. Khaliq, Farah	Chaired a session in 5 th UP-UK APPICON 2014, Association of Physiologists and Pharmacologists of India. Shri Guru Ram Rai Institute of Medical and Health Sciences, Patel Nagar, Dehradun.	October 10 th -11 th , 2014.
Dr. Shankar, Nilima	Invited Speaker (Plenary Session), Invited panelist & Chairperson in Golden ASSOPICON 2014 at JIPMER, Puducherry.	16 th -19 th Dec, 2014
Dr. Singh, Satendra	Invited for consultation on HIV/AIDS Bill 2014 at Delhi Secretariat.	2 Mar, 2015
Dr. Singh, Satendra	Invited speaker on 'Creative & Innovative approaches to Engagement' at Wellcome Trust's meeting on 'Funding Horizons in Humanities, Social Science & Public Engagement' at Chennai.	27-28 Jan, 2015
Dr. Singh, Satendra	Invited speaker on 'From Assessment to Evaluation' at the 'Evaluation Workshop' conducted by MEU of HIMSR, Jamia Hamdard.	6 Jan, 2015
Dr. Singh, Satendra	Invited speaker on 'Availing disability rights through RTI & CCPD' at National Conference on Access to Higher Education at JNU, New Delhi.	10-11 March, 2015
Dr. Singh, Satendra	Invited speaker on 'Barriers to health care for PwDs' at First International & IXth Annual Conference of IACP at Hyderabad.	12 th October, 2014
Dr. Singh, Satendra	Invited speaker on 'Disability rights: Reality in India' at First International & IXth Annual Conference of IACP at Hyderabad.	9 th October, 2014
Dr. Singh, Satendra	Faculty Facilitator at thematic interactive poster session of NCHPE 2014 at MGIMS Sevagram, Wardha	26 Sept, 2014
Dr. Singh, Satendra	Resource faculty for the preconference workshop 'How to get your research papers published' at National Conference on Health Professions Education 2014 (NCHPE), MGIMS, Sevagram, Wardha.	25 Sept, 2014
Dr. Singh, Satendra	Conducted Outreach workshop on 'The What, Why and How of Medical Humanities' at PSGIMSR Coimbatore.	22-24 July, 2014
Dr. Vaney, Neelam	Chaired a session at 60 th Annual conference of APPI at Puri, Odisha.	20 th -22 th Nov, 2014

PHYSIOLOGY (MAMC)

Activities and Achievements

The Department is actively involved in carrying out teaching activities for undergraduates (MBBS, BDS, B.Sc. Nursing, BASLP, MLT etc.) and Postgraduate (MD-Physiology) students and their evaluation. Actively involved in carrying out scientific research projects, One thesis was completed, seven projects are going on and four scientific papers were published in national, international journals during the year.

Research Projects

To study the influence of gaming on cognition in young adults (Dr. Sekhar Jiwal, Dr. Preeti Jain, Dr. AK Jain).

Evaluation of effects of environmental pollutants in the pathogenesis of various cardiorespiratory diseases in traffic police (Dr. D Robinson).

Physiology of handwriting and its application in the identification process (Dr. VP Varshney, Dr. Mona Bedi).

A study of ANS and lipid profile in first degree relatives of Type 2 Diabetes patients (Dr. VP Varshney, Dr. Mona Bedi).

A study of Heart rate variability in Subacute thyroiditis patients (Dr. Suresh, Dr. Aarti, Dr. A K Jain, Dr. Sandeep Garg, Dr. T K Mishra).

Publications

Jain P, Aprajita, Jain Peeyush, Jain A K, Babbar R Influence of affective changes on behavioral and cognitive performances after acute bout of exhaustive exercise. Journal of Psychophysiology 2014; Vol. 28(1):1-10.

Parashar R, Bhalla P, Rai N K, Pakhare A, Babbar R Migraine: Is it related to hormonal disturbances or stress? International Journal Womens Health, 2014; 6:921-925.

Mahajan AS Role of Yoga in hormonal homeostasis. IJCEP 2014; 1(3):173-178.

Venkatesan R, Naveen P, Bedi M, Varshney VP A study of autonomic functions in patients of episodic migraine. Natl. J Physiol. Pharm. Pharmacol. 2014; 4(2):171-174.

Conferences Organized/Attended

Dr. Rashmi Babbar: As a Subject Expert for validation workshops of Physiology organized by National Board of Examinations, New Delhi.

Dr. D. Robinson: 60th Annual Conference of Association of Physiologists and Pharmacologists of India (20th to 22nd Nov. 2014 at Puri, Odisha).

Dr. Aarti Sood Mahajan attended NHCPE 2014 at Sevagram Wardha: 24-27 Sept.2014.

Dr. V P Varshney, Dr. D R Haldwani, Dr. Mona Bedi and Dr. Preeti Jain attended MMMCON at AIIMS, New Delhi on 15th-16th April 2014.

Faculty Strength: Permanent – 11 ; Temporary- 1

Number of National Journals Subscribed : 20

Number of International Journals Subscribed : 150

PSYCHIATRY (GBPH)

Activities and Achievements

The Department has successfully conducted golden jubilee CME in the month of March 2015. Department has conducted examinations like DNB part 2 and M.D. psychiatry

Honours/Distinctions

Dr. RC Jiloha received Bhagirathi Award for promoting mental health awareness in general population and sensitizing the importance of mental health.

The department has produced information booklets on Alcohol dependence and Schizophrenia meant for patients and their care givers free of cost. These booklets provide relevant information on the disease and management

Research Projects

Ongoing projects

Alcohol Use in schizophrenia: Prevalence, Patterns, Correlate and Clinical outcome: A clinic based study by RC Jiloha

Effect of Educational intervention on knowledge and attitude regarding depression in medical students. RC Jiloha, Jugal Kishore.

Details about the thesis completed/going on during the year:

Completed theses:

A cross-sectional study of physical illness in psychiatric inpatients. Bharat Udey

A study of nature and outcome of psychiatric inpatient referrals sought in a multi-specialty hospital. Vijay Niranjana

A case-control study of life-events in in-patients of bipolar disorder. Aparna Das.

On going theses:

A study of the phenomenology and outcome of delirium in patients in a tertiary care hospital. Dr. Sandeep Sekhkon

To study and compare the prevalence of intimate partner violence among female patients with psychiatric illness and those without psychiatric illness. Dr. Akriti Kamran

Inter Institutional Collaboration

Ongoing training programme in Geriatric mental health sponsored by Indira Gandhi National Open University is being conducted

Quiz competition for post graduate students of all the medical colleges of Delhi was conducted in the month of March 2015.

Publications

Jiloha RC. Pharmacotherapy of Tobacco Addiction. Indian Journal of Psychiatry. 2014; 56(1).

Gupta SK, Jiloha RC, Yadav A. Onset of Schizophrenia at 100 years of age. Indian Journal of Psychiatry. 2014; 56(1):82-3.

Jiloha RC. Relevance of parapsychology in clinical practice of psychiatry: Reply to the letter to the editor. Indian Journal of Psychiatry. 2014; 56(2).

Kukreti Perna, Kandpal Manish and Jiloha RC. A case of mistaken gender identity. Indian Journal of Psychiatry. 2014; 56(2).

Mudgal S, Jiloha RC, Kandpal M and Das A. Sleeping Beauty: Klein-Levin Syndrome. Indian Journal of Psychiatry. 2014; 56(3):298-300.

Bhongade MB, Prasad S, Jiloha RC, Ray PC, Mohapatra S and Koner BC. Effect of psychological stress on fertility hormones and seminal quality in male partners of infertile couples. AnDrologia 2014.

Clinical and socio demographic determinants of psychological health and burden in family care givers of patients with unipolar depression. Kuldeep Kumar, Manushree Gupta. Asian Journal of Psychiatry, Vol 9 p51-56; 2014.

Effectiveness of psychoeducational intervention in improving the outcome of unipolar depression, results from randomized clinical trial. Kuldeep Kumar, Manushree Gupta. East Asian Archives of Psychiatry. Sept 2014.

Conferences Attended

Harmful Effects of Tobacco Use. Presented in the Mid-term CME programme of UP-UK Psychiatric Society, held at Subharati Medical College Meerut (UP) on 6th May, 2014.

Interface between Schizophrenia and Law. This paper was presented on schizophrenia day at a meeting organized by Indian Association of Private Psychiatry at Royal Plaza in May 2014.

Tobacco Use: a Public Health menace. Presented in the International Conference on Environmental Health. Held at NDMC Convention Centre, New Delhi October 2014.

NN De Oration, Delivered on 21st National Conference of Indian Association for Social Psychiatry, held at JSS Medical University, Mysore Karnataka from 21st November to 23rd November 2014.

Self-harm Syndrome: Psycho-pathology and Prevalence. Presented during a work-shop held at 39th Annual Conference of Indian Psychiatric Society- North Zone held at Hotel Fortune Kiassik Ludhiana, Punjab.

Papers presented at ANCIPS 2014: A cross sectional study of tobacco use in psychiatric inpatients; a cross sectional study of Psychiatric substance use other than tobacco use in Psychiatric inpatients.

Number of Ph.D./M.Phil Degrees Awarded

Ph.D : 1

Faculty Strength: Permanent – 3; Contractual - 1

Number of National Journals Subscribed

Indian Journal of psychiatry

Indian Journal of Social Psychiatry
Indian Journal of Geriatric Psychiatry

Number of International Journals Subscribed

British Journal of Psychiatry
Psychiatric Clinics of North America
Journal of Child and Adolescent Psychiatry
Journal of Psychopathology

PSYCHIATRY (G.B. PANT INSTITUTE OF POST GRADUATE MEDICAL EDUCATION AND RESEARCH)

Research Schemes

Ongoing projects:

Alcohol Use in schizophrenia: Prevalence, Patterns, Correlate and Clinical outcome: A Clinic based study by RC Jiloha.

Effect of Educational intervention on knowledge and attitude regarding depression in medical students. RC Jiloha. Jugal Kishore.

Details about the thesis completed /going on during the year:

Training Courses/ Conferences/Workshops Organized

Ongoing training programme in Geriatric mental health sponsored by Indira Gandhi National Open University is being conducted by Dr. Manish Kandpal Assistant Professor Psychiatry.

Publications

Jiloha RC. Pharmacotherapy of Tobacco Addiction. Indian Journal of Psychiatry. 2014; 56(1).

Gupta SK, Jiloha RC, Yadav A. Onset of Schizophrenia at 100 years of age. Indian Journal of Psychiatry. 2014; 56(1):82-3.

Jiloha RC. Relevance of parapsychology in clinical practice of psychiatry: Reply to the letter to the editor. Indian Journal of Psychiatry. 2014; 56(2).

Kukreti Prerna, Kandpal Manish and Jiloha RC. A Case of Mistaken Gender Identity. Indian Journal of Psychiatry. 2014; 56(2).

Mudgal S, Jiloha RC, Kandpal M and Das A. Sleeping Beauty: Klein-Levin Syndrome. Indian Journal of Psychiatry. 2014; 56(3):298-300.

Bhongade MB, Prasad S, Jiloha RC, Ray PC, Mohapatra S and Koner BC. Effect of psychological stress on fertility hormones and seminal quality in male partners of infertile couples. Andrologia 2014.

Effectiveness of Psycho educational interventions in improving outcome of unipolar depression. Results from a randomised clinical trial-Kuldip Kumar, Manushree Gupta. East Asian archives of Psychiatry, September, 2014.

Conferences/Workshops/Symposia Organized/Attended

Harmful Effects of Tobacco Use. Presented in the Mid-term CME programme of UP-UK Psychiatric Society, held at Subharati Medical College Meerut (UP) on 6 May, 2014. This CME was attended by Drs RC Jiloha, Manushree Gupta, Vijay Niranjana, Bharat Udey, Aparna Das, Akriti Kamran, Sandeep Sekhon, Jyoti Priya, Parth Mehta and Vishwanath.

Poster Presented in 2014 ANCIPS 2014 Study of Physical Co morbidity in Psychiatric inpatients. Presenters: Dr. Igar Bagra, Dr. Rashmi Prakash, Dr. Deepika Makkar, Dr. Nimmi Jose, Dr. R.C. Jiloha, Dr. Aparna.

Other Significant Information

Dr. RC Jiloha received Bhagirathi Award for promoting mental health awareness in general population and sensitizing the importance of mental health.

The Department has produced information booklets on Alcohol dependence and Schizophrenia meant for patients and their care givers free of cost. These booklets provide relevant information on the disease and management.

PSYCHIATRY (UCMS)

Honours/Distinctions

Dr. M S Bhatia- Dr. Ravi Nehru Memorial Award of Delhi Psychiatric Society for best published paper in Neuropsychiatry/ Neuropsychology, 15th December 2014.

Dr. Shruti Srivastava, Dr. M S Bhatia- Dr. A.K. Kala Award of Biological Psychiatry of Indian Psychiatric Society (North Zone), 22 December 2014.

Dr. Shruti Srivastava, Dr. M S Bhatia- Best Paper in Conference of Delhi Psychiatric Society Indian Psychiatric Society (North Zone) selected for presentation for Bombay Psychiatry Award of Indian Psychiatric Society, 9 January, 2015.

Dr. Priyanka Gautam, Dr. Shruti Srivastava, Dr. M S Bhatia- Dr. Ravi Pande Memorial Award of Delhi Psychiatric Society, 15th December 2014.

Research Projects

Principal Investigator	Title of the Project	Year	Funded by
Dr. Bhatia MS, Dr. Shruti Srivastava	Phenomenology and beliefs of patients with Dhat syndrome a multicentric study	2014	PGIMER Chandigarh
Dr. Bhatia MS	Clinical profile, Comorbidity & Disability in patients with Dhat syndrome	2012	NIL
Dr. Srivastava S	Clinical profile of patients with symptom disorder	2014	NIL

Publications

Books-5, original article, case reports & review- 42

Bhatia M.S., Kaurfilomosexual Obsessive Compulsive Disorder (HOOD): A Rare Case Report. J Clin Diagn Res. 2015 Jan;9(1.):VDO1-V002. doi:10.7860/ICDR/2015/10773.5377. Epub 2015 Jan 1.

Srivastava S. Stress: A Modifiable Factor in the Etiology of Adolescent Depression. Indan Pediatr. 2015; 52(3):202-3.

Bhatia MS, Srivastava S, Khyati M, Kaushik R. Prevalence of abuse in mentally ill patients visiting outpatient setting in a tertiary care hospital H India. Medicine, science and the law. 2015.

PULMONARY MEDICINE (VPCI)

Activities and Achievements

Characterisation of Nocturnal Hypoxaemia in Chronic Obstructive Pulmonary Disease; Clinical-radiological and functional characteristics of Pulmonary Sarcoidosis and effect of one year corticosteroid treatment; Effect of air pollution and weather changes on exacerbation of asthma: A cohort study; Evaluation of Discriminative Properties of GOLD 2011 Classification of Chronic Obstructive Pulmonary Disease, Comparison of clinical characteristics, quality of life and sleep in patients with allergic rhinitis when categorised as "sneezers and runners" and "blockers", The occurrence of bronchial anthracofibrosis (BAF) in respiratory symptomatics with history of exposure to biomass fuel smoke, . Occurrence of bronchiectasis in patients with COPD: Smokers versus Never smokers and the association of upper airway symptoms with quality of life in these patients, Serum vitamin D levels in patients with allergic rhinitis, chronic rhinosinusitis and nasal polyposis and its association with quality of life, Impact of obesity on bronchial asthma in Indian population, Correlation of exhaled nitric oxide, nasal nitric oxide and atopic status: A cross-sectional study in bronchial asthma and allergic rhinitis, Monitoring of indoor particulate matter during burning of mosquito coil, incense sticks and dhoop.

Honours/ Distinctions

Shiksha Gaurav Puraskar 2014 awarded to Prof. Rajkumar.

Research Projects

Genetic Association study of Polymorphisms related to chronic obstructive Pulmonary Disease and its measures in north Indian population: COPD Genetics Consortium; Comparison of Pulmonary Function Test; Skin Testing to Common Aero-Allergen and Food Allergen: An Inflammatory marker in Obese and Non Obese Bronchial Asthma Patients.

Inter Institutional Collaboration

Effect of air pollution and weather changes on exacerbation of asthma: A cohort study (University College of Medical Sciences and Vallabhbai Patel Chest Institute).

Publications

International Journals:

Gera K, Gupta N, Ahuja A, Shah A. Acute alveolar sarcoidosis presenting with hypoxaemic respiratory failure. BMJ Case Rep 2014. doi:10.1136/bcr-2013-202247.

Shah A. Allergic rhinitis, chronic rhinosinusitis and nasal polyposis in Asia Pacific: impact on quality of life and sleep [editorial]. *Asia Pac Allergy* 2014; 4:131-133.

Gera K, Punjabi C, Dash D, Shah A. Cavitory alveolar sarcoidosis complicated by an aspergilloma. *BMJ Case Rep.* 2014 Oct 17;2014. pii: bcr2014206280. doi: 10.1136/bcr-2014-206280.

Mir E, Sareen R, Kulshreshtha R, Shah A. Bronchioloalveolar cell carcinoma presenting as a “non-resolving consolidation” for two years. *Pneumonol Alergol Pol* 2015; 83: 208–211.

Kumar R, Gupta N, Goel N. Spectrum of Interstitial Lung Disease at a tertiary care centre India. *Pneumonol. Alergol. Pul.* 2014; 82:218-226.

Kumar R, Singh M, Gupta N, Goel N. Bronchoscopy in immediate diagnosis of smear negative tuberculosis. *Pneumonol. Alergol. Pol* 2014; 82:410-414.

National Journals:

Shah A, Gupta UA. Spontaneous resolution of pulmonary inflammatory pseudotumor. *Lung India* 2014; 31:307-308.

Garg T, Gera K, Modi N, Shah A. Intrathoracic goitre associated with pulmonary tuberculosis. *Indian J Tuberc.* 2015; 62:117-20. doi: 10.1016/j.ijtb.2015.04.002.

Chhabra SK, Dash DJ. Acute exacerbations of chronic obstructive pulmonary disease: causes and impacts. *Indian J Chest Dis Allied Sci.* 2014; 56:93-104.

Chhabra SK, Kumar R, Gupta U, Rahman M, Dash DJ. Prediction equations for spirometry in adults from northern India. *Indian J Chest Dis Allied Sci* 2014; 56:221-225.

Agarwal R, Asthma Guidelines Working Group; Indian Chest Society; National College of Chest Physicians (India). Guidelines for diagnosis and management of bronchial asthma: Joint recommendations of Indian Chest Society and National College of Chest Physicians (India). *Lung India.* 2015 Apr; 32(Suppl 1):S3-S42.

Gupta N, Goel N, Kumar R. Correlation of Exhaled FeNO, nasal FeNO and atopic status: A cross channel study in bronchial asthma and rhinitis. *Lung India, Vol. 31(4)* 2014:342-347.

Gupta N, Kumar R, Prasad R. Reversed halo sign. *Indian J Chest Dis Allied Sci* 2014; 56: 247-248.

Kumar R, Gupta N. Role of bronchoscopy in evaluation of cases with sputum smear negative pulmonary tuberculosis, interstitial lung disease and lung malignancy: A retrospective study of 712 cases. *Indian J Tuberc* 2015; 62:36–42.

Conferences Organized/Attended

International Conferences:

12th International Medical Congress organized by Peradeniya Medical School Alumni Association at the University of Peradeniya, Peradeniya, Sri Lanka, September 18-19, 2014.

Sri Lanka College of Pulmonologists on 27th Sept, 2014 at Galadari Hotel, Colombo, Srilanka.

National Conferences:

“Pulmonary Rehabilitation in COPD” organized by the Vallabhbai Patel Chest Institute, University of Delhi, at the Paintal Memorial Golden Jubilee Auditorium, April 04, 2014.

Dermatology and Allied Specialities Summit organized by A Young Dermatology Society Initiative, New Delhi, July 25 to 27, 2014.

CME on Pulmonary Medicine organized by Association of Physicians of India, Dehradun Branch at Mussoorie, November 07, 2014.

16th Joint National College of Chest Physicians (NCCP) and National Conference of the Indian Chest Society (ICS), India (NAPCON) 2014 organized by the Department of TB and Respiratory Diseases, JNMC, Aligarh Muslim University at Agra, November 20-23, 2014.

48th Annual Convention of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON) 2014 organized by the JSS Medical College Hospital, Mysore, Karnataka, December 11-14, 2014.

“1st Certificate Course for Training in Respiratory Allergy and Clinical Immunology” organized by the Metro Centre for Respiratory Diseases, Metro Multispeciality Hospital, Noida under the aegis of the Indian College of Allergy, Asthma and Applied Immunology at Metro Centre for Respiratory Diseases, Metro Multispeciality Hospital, Noida, November-December, 2014.

“AIIMS PULMOCRIT 2015” organized by Department of Pulmonary, Critical and Sleep Medicine, AIIMS in collaboration with CHEST, American College of Chest Physicians at AIIMS, New Delhi, January 31- February 01, 2015.

Workshop on "Capacity Building on Air Quality Management in South Asia". Ministry of Environment, Forests & Climate Change and Central Pollution Control Board in collaboration with SAARC and UNEP. 16-19 December, 2014, Delhi.

Patna Chest Update 2014 organized by Indian Chest Society Bihar Chapter on 25th May 2014 at Bihar.

20th National Conference of Environmental Science and Pulmonary Disease (NESCON 2014) organized by Academy of Respiratory Medicine under the Auspices of Environmental Medical Association at Hotel Retreat, Madh Island, Malad, Mumbai on 27th, 28th and 29th June, 2014.

UNIVERSITY COLLEGE OF MEDICAL SCIENCES

Activities and Achievements

In the field of innovation and research, the college touched newer heights. A novel lead molecule against diabetes has been applied for being patented along with many other processes applied for patenting/copyright grants the Ophthalmology department received certificate of appreciation for outstanding contribution to national eye bank and cornea grafting being performed by the same department. Newer facilities such as a separate labour room for low risk patients in Gynaecology and Obstetrics department and a rural outreach health and training centre by Community Medicine department was initiated this year. Newer teaching learning methods were applied by various departments this year. Hundreds of research articles have been published in national and international journal, and many national and international projects are being run by the college. Yoga and sports for patients and students are also integrated for all round development. The college actively participates in various Government led initiatives like Swachh Bharat Abhiyaan and others from time to time.

Honours /Distinctions

National:

Dr. Gogoi P, selected as Fellow of Indian Association of Biological Psychiatry, 19 Jun 2014.

Dr. Sharma SB, is the President Elect Indian Society of Atherosclerosis Research (2014-15).

International:

Dr. O.P. Kalra, awarded Fellowship of American College of Physicians, 2014.

Dr. Dewan P, received the Royal college of pediatrics and child health visiting fellowship to Manchester, UK, Apr – May 2014.

Dr. Jain AK, represented India at Third FFN Global conference on fragility fracture at Madrid, Spain. 4-6 Sep 2014 and also delivered President Lecture at annual conference of Indian Orthopedic Society at London UK, 11-12 Jul 2014.

Dr. Singhal A, was the invited faculty for the international congress of dermatology, cosmetic and laser at Tehran, Iran 29-31 Oct 2014.

Research Projects

Transcriptome analysis for identification of novel biomarker for disease progression in Dengue patients: Dr. Ramachandran VG received a grant of INR 13 million funded by DBT.

Gene–Environment Interaction and identification of high risk phenotype in the etiology of epithelial ovarian cancer: Dr. Banerjee BD received a grant of INR 5.6 million funded by DBT.

Chronic kidney disease: A study on polymorphism of xenobiotic metabolizing enzymes dealing with persistent organic compounds and development of therapeutic interventions in vitro: Dr. Tripathi AK received a grant of INR 5.3 million funded by DST.

A study on gene environment interaction and High Risk Phenotypes in the Etiology of preterm birth in north Indian population: Dr. Banerjee BD received a grant of INR 5.0 million funded by ICMR.

A multicentric, randomized, controlled trial of yoga and fenugreek in the prevention of type 2 diabetes mellitus – Indian Prevention of Diabetes Study (IPDS): Dr. Madhu SV received a grant of around INR 4.2 million funded by RSSDI.

Inter Institutional Collaboration

International: Collaboration with BP Koirala Institute of Health Sciences, Dharan, Nepal.

Library Development

Total Budget:

Books	:	Rs. 25,00,000/- (Non- Plan Grant)
Journals	:	Rs. 1,43,33,000/- (OBC Grant)
No. of Books added	:	56
Total No. of Books	:	19,200

No. of Journals subscribed : 184

On-line Resources:

Membership taken for ERMED Consortium started by NML providing 289 e-journals from 6 publishers.

Membership of Developing Libraries Network (DELNET).

Access of 18 E-journals free with print subscription.

Publications

Sethi AK, Desai M, Tyagi A, Kumar S. Comparison of combitube, easy tube and tracheal tube for general anesthesia. *J Anaesthesiol Clin Pharmacol*. 2014 Oct; 30(4):526-32.

Kalra S, Rani P, Khandelwal A. Variations in the shape of tuberculum anterolaterale. *Journal of Anatomical Society of India*. 2014; 63:S4.

Sharma SB, Gupta R. Drug development from natural resource: A systematic approach. *Mini-Reviews in Medicinal Chemistry* 2015; 15: DOI: 10.2174/1389557515011224160518.

INCLEN study group (Arora NK, Pillai RN, Maheshwari M, Arya S, Dasgupta R, Chaturvedi S, et al). Bio-medical waste management: situational analysis and predictors of performances in 25 districts across 20 Indian States. *Indian J Med Res*. 2014; 139:141-153.

Pandhi D, Singal A, Verma P, Sharma R. The efficacy of azithromycin in pityriasis rosea: A randomized, double-blind, placebo-controlled trial. *Indian J Dermatol Venereol Leprol*. 2014 Jan-Feb; 80(1):36-40.

Verma SK, Verma Aditi. Recent changes in sexual assault and rape laws. In: Biswas G (ed.). *Recent Advances in Forensic Medicine and Toxicology*. Jaypee Brothers Medical Publishers (P) Ltd. N-Delhi, 2015.

Madhu SV, Aslam M, Galav V, Bhattacharya SK, Jafri AA. Atorvastatin prevents type 2 diabetes mellitus--an experimental study. *Eur J Pharmacol*. 2014 Apr 5; 728:135-40.

Rumpa Saha, Shukla Das, Kaustuv De, Taru Singh, Ankita Kumari. Fecal carriage of *Escherichia coli* from pediatric patients with diarrhea and asymptomatic healthy individuals. *J Global Infect Dis*. Oct-Dec 2014; 6(4):194.

Jain S, Sharma A, Guleria K, Suneja A, Vaid NB. Innovations in vaginoplasty using fibrin glue along with vacuum expandable condom mold. *BJOG*. 2014; 121 (2):43.

Gupta VP, Gupta P, Gupta R. Is it really a silicone sling assisted temporalis muscle transfer? *Indian J Ophthalmol* 2014; 62:1179.

Gupta N, Sharma A, Singh PP, Goyal A, Sao R. Assessment of knowledge of harmful effects and exposure to recreational music in college students of Delhi: A cross sectional exploratory study. *Ind J Otolaryngol Head Neck Surg*. 2014 (July- Sept); 66(3): 254-259: doi 10.1007/s 12070-013-0671-5.

Khatri A, Kalra N, Tyagi R, Baweja M, Khandelwal D. Dental findings in patients with West syndrome: A report of two cases. *J Indian Soc Pedod Prev Dent* 2014; 32:168-71.

Wadhwa N, Joshi R, Mangal N, Khan NP, Joshi M. Cytopathologic diagnosis of spontaneous infarction of fibroadenoma of the breast. *Turk Patoloji Derg*. 2014; 30(3):237-40.

Dewan P, Jain V, Banerjee BD, Gupta P. Maternal levels of endosulphan in relation to small-for-gestational-age birth. *Arch Dis Child* 2014; 99:A48-A49.

Gupta R, Gupta LK, Bhattacharya SK. Chronic administration of modafinil induces hyperalgesia in mice: reversal by L-NG-nitro-arginine methyl ester and 7-nitroindazole. *Eur J Pharmacol*. 2014 Aug 5; 736:95-100.

Yadav A, Singh S, Singh KP, Pai P. Effect of yoga regimen on lung functions including diffusion capacity in coronary artery disease patients: A randomized controlled study. *IJOY* 2015; 8: 62-67.

Conferences Organized/Attended

National:

21st Annual Conference of NARCHI, New Delhi organized by department of Obstetrics and Gynaecology. 6-7 September 2014.

EORCAPS 2014- A national level refresher course for Anaesthesia postgraduate students organized by department of Anaesthesia, 5-13 October 2014.

International:

5th International course on Sialendoscopy organized by department of Otorhinolaryngology. 29-30 Nov 2014.

World Congress on Pain held at Buenos Aires, Argentina was attended by Dr. AK Saxena from department of Anaesthesia, 6-11 Oct 2014.

Ecohealth global conference 2014, Quebec, Montreal attended By Dr. Sanjay Chaturvedi from department of Community Medicine, 11-15 Aug 2014.

Faculty Strength: Permanent - 162; Ad hoc-84

Financial Allocation and Utilization

Grant Sanction in Rs.8426.01 Lakhs.

Utilized in Rs.7751.07 Lakhs.

Placement Details

The students were offered the post of Junior Resident at Guru Teg Bahadur Hospital (Government of NCT of Delhi).

Extension and Outreach Work

Number of camps organized in the surrounding areas	: 15
Number of people enrolled/covered in the camps	: 1000
Number of students who worked in the camps	: 110
Total number of hours dedicated to these camps	: 80

Student Numbers under Exchange Programme

Undergraduate inbound/outbound Exchange Students: 07

Number of International Journals Subscribed (online + paper back version): 140

Number of National Journals Subscribed (online + paper back version): 47

VALLABHBHAI PATEL CHEST INSTITUTE

Activities and Achievements

Activities mainly included conducting teaching/training Post-graduate Medical courses in chest medicine besides summer training programmes. The departments also involved in research,

organization of lectures, CMEs, workshops, symposia etc. Some major research projects pursued included Studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial asthma; Functional analysis of Mce1A and Mce4A protein of MTB, Expression Analysis of an Array of Genes of Mycobacterium tuberculosis Clinical Isolates from Pulmonary Tuberculosis and Lymph Node Tuberculosis; Drug resistance profiling and molecular typing of M. tuberculosis isolates; Prevalence and mechanism of triazole resistance in Aspergillus fumigatus; Molecular Epidemiology and In-vitro Antifungal Susceptibility of Aspergillus terreus Species Complex Isolates in Delhi, India; Surveillance of antibiotic use in the community, behavior of various stakeholders including doctors and community pharmacists towards antibiotic use and antimicrobial resistance; Surveying the prices and availability of essential medicines in public and private sectors. Experiments performed in rabbits demonstrating that the reflex increase in urine flow due to pulmonary lymphatic obstruction (PLO) occurred due to an increase in renal sympathetic nerve activity (RSNA); Characterization of Nocturnal Hypoxaemia in Chronic Obstructive Pulmonary Disease; Clinical-radiological and functional characteristics of Pulmonary Sarcoidosis and effect of one year corticosteroid treatment; Effect of air pollution and weather changes on exacerbation of asthma: A cohort study; Evaluation of Discriminative Properties of GOLD 2011 Classification of Chronic Obstructive Pulmonary Disease.

Honours and Distinctions

Dr. Raj Kumar received Shiksha Gaurav Puraskar 2014 for outstanding and Exemplary Contribution towards higher education from Centre for Education Growth and Research (CEGR), New Delhi on 17 July, 2014.

Dr. Anita Kotwani was nominated by DGHS, Ministry of Health & Family Welfare, Govt. of India to be the Member on Steering Committee to assess, review and form guidelines on antimicrobial resistance, under “National Programme on Containment of Antimicrobial Resistance”.

Dr. Ritu Kulshrestha won First prize in Poster paper Presentation: Kulshrestha R, Kotarkonda L, Pandey A, Singh H, Soundarya D, Manaswita S, Dinda AK, Ravi K. N-Acetylcysteine modulates apoptosis in bleomycin induced lung fibrosis. An Update in Pulmonary pathology. TN Medical College and BYL Nair hospital, Mumbai. 23rd January 2015.

Dr. Vishwajeet Rohil was invited by UGC - Academic Staff College, Sambalpur University, Orissa to deliver a total of four (4) lectures of 90 minutes each as the Resource person for the Refresher Course in Life Science (MD) on 27th & 28th Oct. 2014.

Students with Distinctions

Dr. Neethu Sukumaran, VPCI (Roll No. 51003) was awarded R. Viswanathan Prize. She secured 395/600 marks, the highest percentage of marks among the successful candidates at the Diploma Tuberculosis & Chest Diseases Examination held in April 2014.

Dr. Neethu Sukumaran was also awarded Gold Medal in memory of late Dr. BK Sikand instituted by The Tuberculosis Association of India in August 2014.

Library Development

The Institute has one of the best library in the field of Pulmonary Disease and Allied Sciences having 10,046 Books; 23,157 bound Journals; 155 CD's; 516 Thesis and 125 National and International Reports. A total of 112 Journals (105 International and 07 National) are being subscribed by the library; 17 Journals (06 International and 11 National) are being received on exchange programme with the Institute's Journal and 33 Journals (09 International and 24 National) are received on complimentary basis. To cover the need for daily coverage of news related to the medical field, Library also subscribed to four English and four Hindi newspapers.

Library is also affiliated with DELNET (Developing Library Network) to access various databases like Union Catalogue of Books/Periodicals for providing timely and current information. Much emphasis is also laid on to provide abstracts, reference and specific information, if required. Apart from this, online searches are being carried out for providing instant access of 'Information Resources' to the desktop of researchers through LAN (Local Area Network). The Internet services have been provided right on the desktop of each Faculty Member through LAN and Leased line connectivity of 2 Mbps form MTNL. Library also provides inter-library loan facilities and reprographic services on demand.

Inter Institutional Collaboration

The Multi-disciplinary Research Unit (MRU) sanctioned by the Department of Health Research (DHR), Ministry of Health & Family Welfare, Govt. of India under the aegis of Indian Council of Medical Research (ICMR) has been established in VPCI.

With Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, India in the project entitled "The Role of Calreticulin Transacetylase Mediated Histones Hyperacetylation Induced Epigenetic Modulation By Polyphenolic Acetates In Genes Implicated In Lung Tumorigenesis" (DBT).

With Department of ocular Pharmacology, Dr. Rajendra Prasad Eye Centre, All India Institute of Medical Science, New Delhi.

With All India Institute of Medical Sciences in the project titled, "Extracellular matrix remodelling and expression of matrix metalloproteinases in pulmonary fibrosis."

With Rohilkhand Medical College for Training of M.D. (Pulmonary Medicine) students at VPCI from 21-7-14 to 25-7-14.

With University College of Medical Sciences in supervising thesis work of Dr. Sulabh Saini, MD (Community Medicine). Thesis title: Effect of air pollution and weather changes on exacerbation of asthma: A cohort study.

Publications

Gaur SN, Bhati G. Anaphylaxis and immunotherapy. (Editorial) Indian J Allergy Asthma Immunol 2014; 28:1-2

Gaur SN, Bhati G. Successful allergen immunotherapy with horse dander allergy. Indian J Allergy Asthma Immunol 2014; 28:47-8.

Shah A, Punjabi C. Allergic aspergillosis of the respiratory tract. Eur Respir Rev 2014; 23: 8–29.

Sunil K. Chhabra, Mansi Gupta, Swapna Ramaswamy, Devi Jyoti Dash, Vishal Bansal and K. K. Deepak. cardiac sympathetic dominance and systemic inflammation in COPD. COPD 2014; 00 (Online): 1-8.

Khanna M, Sharma S, Kumar B, Rajput R. (2014). Protective immunity based on the conserved hemagglutinin stalk domain and its prospects for universal influenza vaccine development. BioMed Research International. DOI: 10.1155/2014/546274.

Kotwani A. Access to inhaled therapy in India: Availability, price and affordability of asthma medicines. In Respiratory Drug Delivery 2014. Edited by Dalby RN, Byron PR, Peart J, Young PM, Traini D. DHI Publishing; River Grove, IL: 2014; 55-65.

Nimesh M, Joon D, Varma-Basil M, Saluja D. Development and clinical evaluation of sdaA loop-mediated isothermal amplification assay for detection of *Mycobacterium tuberculosis* with an approach to prevent carryover contamination. J Clin Microbiol. 2014 Jul; 52(7):2662-4.

Chowdhary A, Anil Kumar V, Sharma C, Prakash A, Agarwal K, Babu R, Dinesh KR, Karim S, Singh SK, Hagen F, Meis JF. MultiDrug resistant endemic clonal strain of *Candida auris* in India. Eur J ClinMicrobiol& Infect 2014; 33: 919-926.

Mishra RK, Kulshrestha R, Chhabra SK, Srivastav SK, Bansal SK. Critical role of protein kinase C (PKC) in the onset of airway hypersensitivity in ova-sensitized guinea pig model of asthma. Paper accepted for publication in the Open J Respir Dis 2014; 4:1-11.

Conferences Organized/Attended

A symposium on ‘Pulmonary Rehabilitation in COPD’ was organized by VPCI on 4th April, 2014. Dr. Vishal Bansal was the Organizing Secretary.

A ‘CME Programme, The Armamentarium of Molecular Diagnosis in Lung diseases’ was organized by VPCI on 11th July 2014. Dr. Ritu Kulshrestha was the Organizing Secretary.

On the occasion of World No Tobacco Day, a Public Awareness Programme on “No Smoking-Change your Lifestyle” was organized by VPCI on 06.06.2014 in association with Society for Tobacco Control. Dr. Raj Kumar was the Organizing Secretary.

A CME Programme on “The Armamentarium of Molecular Diagnosis in Lung Diseases’ was organized by VPCI on 11 July, 2014.

An International workshop - APACI Workshop on “Epidemiology and Control of Influenza” was organized by VPCI on 7th--8th November 2014. Dr. Madhu Khanna was the Organizing Secretary.

Faculty Strength: Permanent - 18

Financial Allocation and Utilization

	Plan (Rupees in Crores)	Non-Plan (Rupees in Crores)
Grant Sanction	16.30	28.70
Utilized	16.30	28.70

Number of international journals subscribed : 105

Number of National journals subscribed : 07

RADIODIAGNOSIS (MAMC)

Activities and Achievements

Dr. Jyoti Kumar Editorial board of World Journal of Radiolog, Case Reports in Pediatrics, Journal of Advanced research in Medicine.

Dr. Anjali Prakash joined editorial board of JIMSA- Journal of Indian Medical Science Academy.

Invited Talks by Faculty – National Level

Dr. Anju Garg: “Contrast reactions and other emergencies in the Radiology section” in Ist Annual Conference of the society for emergency Radiology from 29th-31st August 2014 at PGIMER, Chandigarh.

Paediatric abdominal Masses- A case based review – in 12th National conference of ISPR (Indian society of Paediatric Radiology) from 12th-15th September 2014 at CMC, Vellore.

Normal Sonography anatomy of Female Pelvis at the obstetrics & Gynaecology Workshop as part of the USCON XXIII –Annual Conference of IFUMB, 31st October 2014 in Delhi.

Guest Lecture on ‘Acute Appendicitis’- 68th Annual Conference of IRIA 29th January – 1st February 2015 at Kochi.

Dr. Anjali Prakash : Guest Lecture on ‘Conventional Radiology of Bone Tumors and MRI correlation – IRIA Kochi ,Januray 2015.

Dr. Jyoti Kumar: Imaging protocols in Emergency Radiology-PGI Chandigarh 29-31 August 2014 – in Annual conference of Society of emergency Radiology.

Guest Lecture ‘Paediatric Chest Infection’- IRIA Kochi, January 2014.

RADIODIAGNOSIS (UCMS)

Activities and Achievements

Radiology & Imaging Department of University College of Medical Sciences & GTB Hospital, is equipped with state of art 64 slice CT Scanner, one Digital Radiography machine (High Definition). One Computer Radiographic Unit and 4 Colour Doppler and USG Machine and 6 X-ray Units. Department is in the process of acquiring latest MRI unit, one more 128 Slice CT Scanner, 1 Digital Mammography Units, 3 more Digital Radiographic Unit to cater the need of over 20,000 Total Radiological Investigations. This Department has dedicated team of Faculty member and other Specialist in this field for imparting quality education to Six Post-Graduate students in MD Radiology, 5 M.Sc. Students in MT Radiography and 15 B.Sc. Students in MIT Radiography per year. Dr. Lalendra Upreti has been chosen to be joint organizing secretary of Asia Oceana Conference of Radiology & Imaging going to be held in Mumbai in the year 2018.

Honours/Distinctions

Dr. L. Upreti, Professor & HOD Radiology received J.C. Bose Memorial oration of IRIA in 2014.

Research Projects

Ongoing research project named: Leucocyte DNA Damage as a Biomarker for the patient undergoing MDCT Examination funded by AERB, under supervision of Dr. Anupama Tandon, Associate Professor.

Publications: 03

Gallstone abscess: some Drops may end up costlier! Venugopal V, Puri SK, Kapoor AK, Upreti L. Indian J Gastroenterol.2014; 33(2):197.

Gopesh Mehrotra, Anupama Tandon, Sanjay Gupta, Agarwal A Durgadas, Ajai K Srivastava. Imaging of acute appendicitis: Role of low dose CT page 3 RSNA December 1-6 Chicago Gastro intestinal (CT) 2014.

VATS versus intrapleural streptokinase: A Prospective, randomized, controlled clinical trial for optimum treatment of post traumatic residual Hemothorax. S. Kumar, V. Rathi, A. Rattan, S. Chaudhary, N. Agarwal, DOI:<http://dx.doi.org/10.1016/journal of injury.2015.02.028>.

Faculty Strength: Permanent - 7

SURGERY (MAMC)

Honours /Distinctions

Dr. Pawanindra Lal, Professor was given the FICCI award for the Clinical Skills Centre and Dr. S.K. Jain was honoured by the British Medical Association for his book on Clinical Surgery.

Research Projects

Prediction of acute appendicitis using modified Alvarado score and ultrasound-Dr. PN Agarwal, Dr. Nirajan Kansakar.

Evaluation of seroma formation after modified radical mastectomy with and without Drain-Dr. PN Agarwal, Dr. Abhimanyu Gupta.

Study of motility of gall bladder and stomach in patients with gall stones and dyspepsia-Dr. NS Hadke, Dr. G Tulsyan.

Outcome analysis of various management strategies for ileal perforation-Dr. AK Sarda, Dr. Ashwamedh.

Factors affecting surgical site infection in patients undergoing laparotomy-Dr. AK Sarda, Dr. Pradeep Raj S.

Clinico-pathological profile of carcinoma breast in Indian women-Dr. RK Jindal, Dr. A Chatterjee.

RCT of percutaneous aspiration and medical therapy alone in patients with liver abscess of volume less than 500ml-Dr. RK Jindal, Dr. R Kumar.

RCT comparing tacker fixation vs non-fixation of anatomical shaped 3D mesh in laparoscopic inguinal hernia repair-Dr. Pawanindra Lal, Dr. Santhosh N.

Evaluation of SEPS vs stab avulsion in management of primary varicose veins-Dr. SK Jain, Dr. MK Jain.

To compare RFA and fistulectomy for management of fistula in ano-Dr. CB Singh, Dr. R Suresh.

RCT comparing transabdominal vs transvaginal extraction of gall bladder in laparoscopic cholecystectomy-Dr. Rajdeep Sigh, Dr. Anuj Arora.

To assess surgical site infection in patients with gallbladder content spillage during laparoscopic cholecystectomy-Dr. Sushanto Neogi, Dr. N Jain.

Inter Institutional Collaboration

Faculty from AIIMS, UCMS, LHMC, VMCC, and other medical colleges of India presented lectures and interacted with students during Surgery Update 2014.

International faculty from USA and UK presented lectures, demonstrated live surgery and interacted with delegates during ENDOLAP 2014.

Lectures given by faculty from USA in department of surgery.

Undergraduate student from Turkey attended classes and clinical postings in Surgery for 2 months.

Publications

Verma S, Bali RS, Agarwal PN, Singh R, Talwar N. Perforation peritonitis and the developing world. ISRN Surgery Volume 2014, Article ID 105492.

Dutt K, Agarwal PN, Singh R, Tomar VS. Haemophilic pseudotumour: surgical management of a rare case. Indian J Surg. 2015 Feb; 77(1):62-4.

Bharti JN, Rani P, Kamal V, Agarwal PN. Angiogenesis in breast cancer and its correlation with estrogen, progesterone receptors and other prognostic factors. J Clin Diagn Res. 2015 Jan; 9(1):EC05-7.

Mitra A, Agarwal PN, Singh R, Verma S, Srivastava V, Chugh A, Jain V. Squamous cell carcinoma of the scrotum – still an occupational hazard. Indian J Occup Environ Med. 2014 Sep-Dec; 18(3):150-2.

Bali RS, Verma S, Agarwal PN, Singh R, Talwar N. Perforation peritonitis and the developing world. ISRN Surg. 2014 Apr 2; 2014:105492.

Goel G, Rao S, Khurana N, Sarda AK. Solitary Necrotic Nodule of Liver (SNNL): A report of two cases. J Clin Diagn Res. 2014 Mar; 8(3):115-6.

Tiwari SK, Lal P. A rare case of acute intestinal obstruction ndue to bowel entrapment in migrated onlay polypropylene mesh. Ann R Coll Surg Engl. 2014 Oct; 96(7):e4-5.

Vindal A, Chander J, Lal P, MahenDra B. Comparison between intraoperative cholangiography and choledochoscopy for ductal clearance in laparoscopic CBD exploration: a prospective randomized study. Surg Endosc. 2015 May; 29(5):1030-8.

Jain SK, Kaza RC, Singh BK. Evaluation of holmium laser versus cold knife in optical internal urethrotomy for the management of short segment urethral stricture. Urol Ann. 2014 Oct; 6(4):328-33.

Tanwar R, Jain SK, Bains L. Amoebic colitis presenting as ileocaecal intussusception-a rare case. Malays J Med Sci. 2014 Mar; 21(2):68-70.

Jain SK, Tanwar R, Mitra A. Bladder Leiomyoma Presenting With LUTS and Coexisting Bladder and Uterine Leiomyomata: A Review of two cases. Rev Urol. 2014; 16(1):50-4.

Conferences Organized

Surgery Update 2014, the prestigious national postgraduate teaching exercise, for which the department and college is well known throughout the country.

Endolap 2014, the biennial conference of the Delhi State Chapter of Society of Endoscopic and Laparoscopic Surgeons of India.

Surgicon 2014, the annual conference of Delhi Chapter of Association of Surgeons of India.

Faculty Strength: Permanent- 14; Contract-1

Number of National Journals Subscribed : 01 (Central library)

Number of International Journals Subscribed : 09 (Central library)

FACULTY OF INTER-DISCIPLINARY AND APPLIED SCIENCES

BIOCHEMISTRY

Activities and Achievements

The Department centred on the general theme of “development of molecular strategies to combat various human diseases”. Professor Vijay Chaudhary’s group has successfully constructed a large naive human scFv phage displayed library (10 billion clones), which has led to the selection of moderate to high affinity antibody fragments against target proteins of human and *M. tuberculosis* origin. The major activities of the laboratory of Prof. Prahlad C. Ghosh were encapsulation of various Drugs in liposomes and polymeric nanoparticles for enhancing their anti-malarial and anti-cancer activity. His group published four papers in prestigious peer reviewed journals this year. Prof. Debi P. Sarkar was successful in generation of immunovirosomes comprising of a fused recombinant scFv directed to the onco-fetal antigen, the Placental isozyme of Alkaline Phosphatase (PAP) with the trans-membrane and part of the cytoplasmic domain of the Sendai F protein (F^{TMC}). This has the novel ability to combine specific antibody mediated targeting with cytoplasmic delivery. Dr. Suman Kundu achieved the seminal success of engineering unprecedented heme stability in hemoglobins, with direct application in hemoglobin based blood substitutes. His finding will make the use of hemoglobins as blood substitutes in emergency conditions a reality. His work was published in the prestigious ‘Journal of Biological Chemistry’ and attracted lot of media attention. Dr. Alo Nag published several papers in prestigious peer reviewed journals this year. Her research work identified novel mechanisms associated with Human Papillomavirus induced cancers. Her findings also presented novel insights into the mechanistic role of cytoglobin in tumor suppression. The group has also reviewed two clinically important oncogenic factors, Cul4A and FoxM1 highlighting their critical roles in tumorigenesis and their tremendous prospect in cancer therapy. Dr. Suneel Kateriya’s research team had developed novel optogenetic tool for studying cAMP/cGMP mediated signaling of the infectious organism. His group has also published several papers in the peer reviewed journals during this year. One key member of the department Prof. Anil K. Tyagi was appointed as Vice-Chancellor of InDraprastha University, Delhi. Two new faculties were also hired by the department. The department successfully completed SAP programme of UGC.

One patent was also awarded as:

Tyagi, Anil K., Chaudhary, Vijay K., Gupta, Amita and Kushrestha, Abhishek (2014) Improved process for expression, purification and enhanced recovery of mycobacterial recombinant proteins. (Indian Patent No IN263766) awarded 25th October 2014.

Honours / Distinctions

Name of the Faculty	Award / Honours / Distinction
Prof. Vijay K. Chaudhary	Biotech Product and Process Development and Commercialization Award-2014 by Department of Biotechnology, Government of India.
	Visitor’s Award for Innovation-2015 by the President of India at a special ceremony at Rashtrapati Bhawan on 4 February 2015
Prof. Prahlad C. Ghosh	Nominated as member of Research Review Committee (RRC) of National Dope Testing Laboratory, Ministry of Youth Affairs & Sports (Government of India).
Prof. Debi P. Sarkar	Platinum Jubilee Lecture in the Section of New Biology at the 102 nd Indian Science Congress to be held at University of Mumbai, Mumbai during January 3-7, 2015.
	Expert Member, DBT task force, IYBA
Prof. Suman Kundu	Executive Council Member, Proteomics Society (India) (Dec 2014 - 2017)

Research Projects

Title	Description	Sponsor	Funding Amount (Rs.)
Prof. Vijay K Chaudhary			
“DNA Sequencing facility at UDSC (Phase V)”	June 2014 to May 2017	DBT	1,11,00,000.00
“Development of reagents for simple immunochemical tests for the detection of Chikungunya infection”	March 2014 to March 2017	DBT	1,41,00,000.00
Prof. Prahlad C. Ghosh			
“Evaluation of Soya phosphatidylcholine-stearylamine liposome as antimalarial agent”	April 2014 to March 2017	ICMR	35,00,000.00
Dr. Suneel Kateriya			
“Functional characterization of new photoreceptor proteins and ion channels in the microalga <i>Chlamydomonas reinhardtii</i> using functional genomics methods”	2014-2016	DST-RFBR (Indo-Rusia)	25,00,000.00

Inter Institutional Collaboration

Title	Description	Sponsor	Funding Amount (Rs.)
Prof. Vijay K. Chaudhary			
“Development of reagents for simple immunochemical tests for the detection of Chikungunya infection”	Collaboration with Dr. Sanjay Gupta, JIIT and Dr. S. Chatterji, ICMR Virus research centre, Kolkata	DBT	141,00,000.00

Publications - 28

Chaudhary, V.K., N. Shrivastava, V. Verma, C. Kaur, P. Grover, Shilpi Das and Gupta, A. 2014 “Rapid restriction enzyme-free cloning of PCR products: a high-throughput method applicable for library construction” PLoS One 9(10): e111538

Rana J, Rajasekharan S, Gulati S, Dudha N, Gupta A, Chaudhary V.K., Gupta S. 2014 “Network mapping among the functional domains of Chikungunya virus nonstructural proteins.” Proteins, Oct;82(10):2403-11. DOI: 10.1002/prot.24602. Epub 2014 May 3

Singh AK, Rajendran V, Pant A, Ghosh P.C., Singh N, Latha N, Garg S, Pandey KC, Singh BK, and Rathi B. 2015 “Design, Synthesis and Biological Evaluation of Functionalized Phthalimides: A New Class of Antimalarials and Inhibitors of Falcipain-2, a Major Hemoglobinase of Malaria Parasite” Bioorganic & Medicinal Chem. Doi:10.1016/j.bmc.2015.02.2015

Raza M, Chakraborty S, Choudhury M, Ghosh P.C, Nag A. 2014 "Cellular iron homeostasis and therapeutic implications of iron chelators in cancer." Curr Pharm Biotechnol 15(12): 1125-1140

Mahajan, R. V., Kumar, V., Rajendran, V., Saran, S., Ghosh, P.C., and Saxena, R. K. 2014 “Purification and characterization of a novel and robust L-asparaginase having low-glutaminase activity from *Bacillus licheniformis*: *in vitro* evaluation of anti-cancerous properties” PLoS One9, e99037

- Gupta, R., Rajendran, V., Ghosh, P.C., and Srivastava, S. 2014 "Assessment of anti-plasmodial activity of non-hemolytic, non-immunogenic, non-toxic antimicrobial peptides (AMPs LR14) produced by *Lactobacillus plantarum* LR/14" *Drugs R D14*, 95-103
- Zakaria Khalid Mohammad, Khan Imran, Mani Prashant, Chattopadhyay Parthaprasad, Sarkar P Debi, Sinha Subrata. 2014 "Combination of hepatocyte specific delivery and transformation dependent expression of shRNA inducing transcriptional gene silencing of c-Myc promoter in hepatocellular carcinoma cells" *BMC Cancer*, 14:582
- Zakaria Khalid Mohammad, Khan Imran, Mani Prashant, Sarkar P Debi, Chattopadhyay Parthaprasad, Sinha Subrata. 2014 "Epigenetic repression of c-Myc P2 promoter by Sendai F-virosome mediated delivery of tumor specific shRNA in Hepatoma cells" *Molecular Biology of Cell*, vol. 25 no. 25, 3987, Dec 15
- Mukesh Kumar, Prashant Mani, Pooja Pratheesh, Sunandini ChanDra, Meghala Jeyakkodi, Parthaprasad Chattopadhyay, Debi P. Sarkar and Subrata Sinha. 2015 "Membrane fusion mediated targeted cytosolic Drug delivery through scFv engineered Sendai viral envelopes" *Current Molecular Medicine* 15:1-15
- Uppal, S., Salhotra, S., Mukhi, N., Zaidi, F.K, Seal, M., Ghosh Dey, S., Bhat, R. and Kundu, S. 2015 "Significantly enhanced heme retention ability of myoglobin engineered to mimic the third covalent linkage by non-axial histidine to heme (vinyl) in *Synechocystis* hemoglobin" *J. Biol. Chem.* 290, 1979-1993
- Seal, M., Uppal, S., Kundu, S. and Ghosh Dey, S. 2015 "Interaction of ApoNeuroglobin with Heme-A β Complexes Relevant to Alzheimer's Disease" *J Biol Inorg Chem.* 20, 563-574
- Vikash Kumar Dubey and Suman Kundu 2014 "Processing of Recombinant Proteins" In *Gene and its Engineering*" First Edition Wiley India Pvt. Ltd., New Delhi, India (H. K. Das Ed) pp. 474-479
- Dey, S.K and Kundu, S. 2014 "The Indian Wizard of Biophysics: Remembering G.N. Ramachandran in the International Year of Crystallography" *J. Prot. Proteomics* 5, 65-72
- Durai, S., Singh, N., Kundu, S. and Balamurugan, K. 2014 "Proteomic investigation of *Vibrio alginolyticus* challenged *Caenorhabditis elegans* revealed regulation of cellular homeostatis proteins and their role in supporting innate immune system" *Proteomics* 14, 1820-1832
- Oshtrakh, M.I, Kumar, A., Alenkina, I.V., Zakharova, A.P., Semionkin, V.A. and Kundu, S. 2014 "Characterization of monomeric soybean leghemoglobin using Mössbauer spectroscopy with a high velocity resolution" *Hyp. Interact.* 226, 431-438
- Kumar, S., Nag, A., Mandal, CC. 2015 "A Comprehensive Review on miR-200c, a Promising Cancer Biomarker with Therapeutic Potential" *Curr drug Targets*. Published online on March 25, 2015
- Singhal, P., Anoop, K., Hussain, S, Nag, A., Bharadwaj, M. 2015 "NFkB1/NFkB1a polymorphisms are associated with the progression of cervical carcinoma in HPV-infected postmenopausal women from rural area" *Tumour Biol.* Published online on March 14, 2015
- Jaiswal, N., John, R., Chand, V., and Nag, A. 2015 "Oncogenic Human Papillomavirus 16E7 modulates SUMOylation of FoxM1b" *Int. J Biochem Cell Biol.* 58:28-36.58, 28
- John, R., Chand, V., Chakraborty, S., Jaiswal, N. and Nag, A. 2014 "DNA damage induced activation of Cygb stabilizes p53 and mediates G1 arrest" *DNA Repair* 24: 107
- Chand, V., John, R., Jaiswal, N., Johar, S. and Nag, A. 2014 "High Risk HPV16E6 Stimulates hADA3 Degradation by Enhancing its SUMOylation" *Carcinogenesis* 35(8), 1830
- Chakraborty, S., John, R. and Nag A. 2014 "Cytoglobin in tumor hypoxia: Novel insights into cancer suppression" *Tumour Biology*, 35(7), 6207
- Jaiswal, N., Chakraborty, S. and Nag A. 2014 "Biology of FOXM1 and its Emerging Role in Cancer Therapy" *J. Proteins and Proteomics*, 5(1): 249

Sharma, P. and Nag, A. 2014 "CUL4A Ubiquitin Ligase: A Promising Drug Target for Cancer and Other Human Diseases" *Open Biology*, 4: 130217

Raza, M., Chakraborty, S., Choudhury, M., Ghosh, P.C. and Nag A. 2014 "Cellular iron homeostasis and therapeutic implications of iron chelators in cancer" *Curr. Pharm. Biotech.* 15(12), 1125

Singh DN, Gupta A, Singh VS, Mishra R, Kateriya S, Tripathi AK. 2015 "Identification and characterization of a novel phosphodiesterase from the metagenome of an Indian coalbed" *PLoS One* Feb 6; 10(2):e0118075

Ranjan, P., Kashyap, RS., Goel, M., Veetil, SK., and Kateriya, S. 2014 "Cellular Organelles Facilitate Dimerization of a Newly Identified Arf from *Chlamydomonas reinhardtii*" *Journal of Phycology* 50, 1137-1145

Penzkofer, A., Tanwar, M., Veetil, S., Kateriya, S., Stierl, M., and Hegemann, P. 2014 "Photodynamics of BLUF domain containing adenylyl cyclase NgPAC3 from the amoebflagellate *Naegleria gruberi* NEG-M strain" *Journal of Photochemistry and Photobiology A: Chemistry* 287, 19-29

Tanwar, M., Stierl, M., Veetil, S. K., Penzkofer, A., Hegemann, P., and Kateriya, S. 2014 "Biochemical characterization of photoactivated adenylyl cyclase from *Naegleria gruberi*" *J. Proteins & Proteomics* 5, 35-39

Conferences Attended

Vijay K. Chaudhary 2014 "Antigen-based detection test for Tuberculosis", "AIIMS-DBT Brain Storming Symposium on Challenges in Tuberculosis Diagnosis and Management" at All India Institute of Medical Sciences, New Delhi, March 24th 2015.

Vinoth Rajendran, Mohsin Raza, Shilpa Rohra and Prahlad C. Ghosh. Evaluation of liposomal monensin in combination with artemisinin on growth inhibition of blood stages of *Plasmodium falciparum* (3D7) *in vitro*. Presented at International conference on "Emerging trends of Nanotechnology in Drug discovery" (2014), held at University of Delhi south campus. The first author was selected for the Best Poster Award.

Prof. P.C. Ghosh supervised the student team (Vinoth Rajendran, Manendra Pachauri and Mohsin Raza) selected for Biotechnology Entrepreneurship Workshop at "ABLE-BEST INDIA (2014)", held at Fortune select trinity hotel, Bangalore. The team members were awarded travel fellowship.

Sanjay Kumar Dey, Himanshu Meghwani, Pankaj Prabhakar, Subir Kumar Maulik and Suman Kundu "Dopamine- β -hydroxylase inhibitor UDSC171 can prevent isoproterenol induced cardiac hypertrophy in rats" at 12th Annual Conference of International Society for Heart Research (Indian Section), 14th-15th March, 2015, Jawaharlal Nehru University, New Delhi, India. (Selected among the best five posters and entered into oral presentation competition).

Gagandeep Kaur, Sanjay Kumar Dey and Suman Kundu 2015 "Targeting Cytochrome b5 reductase3 to combat cardiovascular diseases" at 5th National Science Day Symposium, 27th-28th February, 2015, University of Delhi, South Campus, New Delhi, India. (won a poster prize).

Richa Arya, Ambrish Kumar, Monica Sundd and Suman Kundu 2015 "Functional Insights into a unique 4' Phosphopantetheinyl transferase from *Leishmania major*" at National Symposium on Biophysics & Golden Jubilee Meeting of Indian Biophysical Society, 14th-17th February, 2015, Jamia Millia Islamia, New Delhi (Oral presentation).

Sanjay Kumar Dey, Toyonji Joseph, Santosh Kumar, A. Kamaladevi, Nabanita Sarkar, Surajit Sarkar, K. Balamurugan, B.K. Thelma and Suman Kundu 2015 "Experimental validation of new inhibitors identified through rational structure based design against Dopamine- β -hydroxylase to combat cardiovascular diseases" at Cardiovascular Research Convergence 2, 17th January, 2015, All India Institute of Medical Sciences, New Delhi, India (Best poster award).

Amit Kumar, Suneel Kateriya and Suman Kundu 2014 “Hemoglobins from extremophilic and mesophilic algae: a comparative study” at XVIII International meeting “Oxygen-binding and sensing proteins”, University of Sheffield, Sheffield, United Kingdom from July 6th-10th, 2014 (Selected for Oral presentation).

Jaiswal, N., Cheema, S.P., John, R., Chand, V., and Nag, A. 2015 “Viral oncoprotein HPV16E7 perturbs SUMOylation of FoxM1 to induce oncogenesis” at International Symposium on ‘Current Advances in Radiobiology, Stem cells and Cancer Research 2015’ held from Feb 19-21, 2015 at Jawaharlal Nehru University, New Delhi, India. (Received Best poster award).

Nawalpuri, B., Cheema, S.P., Nandi, D., Gautam, P. and Nag, A. 2015 “Cul4A: Moonlighting E3 Ligase in HPV Driven Carcinogenesis” at 5th National Science Day Symposium, 27th-28th February, 2015, University of Delhi South Campus, New Delhi, India.

Nag, A. 2015 “Human Papillomavirus, the Oncogenic SUMO Wrestler” at 5th National Science Day Symposium, 27th-28th February, 2015, University of Delhi South Campus, New Delhi, India

Dr. Suneel Kateriy attended National Symposium on Biophysics, & Golden Jubilee Meeting of Indian Biophysical Society from feb. 14-17, 2014, New Delhi, India

Number of Ph.D./ M.Phil. Degrees Awarded

Total- 8

Faculty Strength: Permanent- 09

Number of National Journals Subscribed

Title	Date	Coordinator	Total budget	Sponsor
Journal of Proteins and Proteomics	2014-15	Prof. Suman Kundu	Rs.3,000 annual	Individual

BIOPHYSICS

Activities and Achievements

Dr. Subhendu Ghosh is working on Membrane Biophysics, in particular, ion channels and neuro-biophysics. The experiments involve electro-physiological methods, e.g. single-channel recording, patch-clamp. A special emphasis is given on learning, memory (cognition) and mathematical & computational neuroscience. Dr. Manisha Goel (Assistant Professor) works on crystallographic structure determination and Bioinformatics. Dr. Manish Kumar lab is interested in understanding the principles governing protein sequence-structure-function correlation, genome annotation and evolution of antibiotic resistance in microbes.

Research Projects

Title/Description	Principal Investigator	Sponsoring organization
“In-silico protein sequence analysis and function prediction”	Dr. Manish Kumar	DST
“Comparative genomics of β -lactamase genes including <i>in-silico</i> analysis to identify sequences for β -lactamase inhibitors”	Prof. J. S. Viridi (Co-PI: Drs. Manisha Goel & Manish Kumar)	ICMR
“Analysis of protein sequence analysis, structure and function relationship using computational	Dr. Manish Kumar	UGC

tools and developing new tools to predict protein function”		
“Crystal structure determination and functional analysis of gamma glutamyl transpeptidase (GGT) from <i>Bacillus licheniformis</i> ER-15”	Dr. Manisha Goel	CSIR
“Computational analysis of cas proteins in <i>picrophilus torridus</i> in comparison to other thermoacidophiles and mesophiles, and their role in driving CRISPR function”	Dr. Manisha Goel	UGC
“Crystallographic structure determination of CRISPR-CAS proteins”	Dr. Manisha Goel	DBT-RGYI

Inter Institutional Collaboration

Dr. Subhendu Ghosh has collaboration with Prof. (Dr.) E. Ada Cavalcanti-Adam "Cell Adhesion and Signaling" Institute for Physical Chemistry, University of Heidelberg, Im Neuenheimer Feld 253, 69120 Heidelberg, Germany.

Publications- 10

Gupta, R. and Ghosh, S. 2015 “Phosphorylation of Voltage-Dependent Anion Channel by c-Jun N-terminal Kinase-3 leads to Closure of the Channel” *Biochem. Biophys. Research Comm.* 459,100-106

Bhattacharjee, A., Das, M.K. and Ghosh, S. 2014 “Synchronization in a Ring of Unidirectionally Coupled FN Neurons” *Int. J. Biomaths.*, 7(1), 1450009

Kumar, R., Srivastava, A., Kumari, B. and Kumar, M. 2015 “Prediction of Beta-lactamase and its Class by Chou's Pseudo-amino Acid Composition and Support Vector Machine” *Journal of Theoretical Biology* 2015 Jan 21; 365:96-103

Kumari, B., Kumar, R. and Kumar M. 2015 “Low complexity and disordered regions of proteins have different structural and amino acid preferences” *Molecular Biosystems* Feb; 11(2): 585-94

Srivastava, A., Singhal, N., Goel, M., Viridi, J. S. and Kumar, M. 2014 “CBMAR: A Comprehensive Beta-Lactamase Molecular Annotation Resource. Database” Dec 3; 2014:bau111

Kumar, R., Kumari, B., Srivastava, A. and Kumar, M. 2014 “NRFamPred: A proteome-scale two level method for prediction of nuclear receptor proteins and their sub-families” *Scientific Reports.* 4:5270

Singhal N, Kumar M, Viridi JS. 2014 “Molecular Analysis of Beta-Lactamase Genes to understand their Differential Expression in Strains of *Yersinia enterocolitica* Biotype 1A” *Scientific Reports.* 4: 5270

Kumar R, Jain S, Kumari B, Kumar M. 2014 “Protein Sub-Nuclear Localization Prediction Using SVM and Pfam Domain Information” *PLoS One.* 2014 Jun 4; 9(6):e98345

Srivastava, A., Singhal, N., Goel, M., Viridi, J. S. and Kumar, M. “Identification of Family Specific Fingerprints in beta-lactamase Families” *The Scientific World Journal* [PMID: 24678282]

Kumari, B, Kumar, R. and Kumar M. “PalmPred: An SVM based Palmitoylation Prediction Method using Sequence Profile Information” *PLoS ONE* 9(2): e89246 [PMID: 24586628]

Conferences Organized/ Attended

The 3rd Summer school for Bioinformatics was held from 26th May 2013- 6th June 2014 for undergraduate students of DU (Life Sciences).

Number of Ph.D./ M.Phil. Awarded- 01

Faculty Strength: Permanent- 03

Other Significant Information

Dr. Subhendu Ghosh visited Technical University of Dresden, Germany as Visiting Research Scientist during 15.05.2014-15.07.2014. He also delivered an invited talk at the University of Heidelberg, Germany, on 26.06.2014.

ELECTRONIC SCIENCE

Activities and Achievements

The faculty members are actively engaged in research as well as supervision of research leading to the Ph.D degree in the field of optical electronics, semiconductors, microwaves and microelectronics. The Department has national and international collaborations and several research projects funded by the UGC, CSIR, DST, DRDO, JSPS (Japan). During the past year, the Semiconductor & Materials group has worked on conducting polymers, Carbon nanotubes, Quantum dot composites, solar cells and achieved efficiency of about 6%. The Photovoltaics group has done theoretical analysis on plasmonic solar cells and work on plasmonic waveguides is also going on. Prof. Avinashi Kapoor was Visiting Professor at Institute of Physics, Lecce, Italy in June-July, 2014. Dr. Vandana Kumari won the best paper award for the paper entitled "Modeling and Simulation of Nanoscale Lateral Gaussian Doped Channel Asymmetric Double Gate MOSFET" presented in the International conference on Nanotechnology (NANOCON, Pune, India), October 14-15, 2014. Another research scholar, Mr Sachin Kumar working with Prof. Mridula Gupta won the best paper award for the paper entitled " TCAD Assessment of Nanoscale Double Gate RingFET (DG RingFET) Architecture: Analog and Linearity Performance Investigation for RFIC Design" presented in the International conference on Nanotechnology (NANOCON, Pune, India), October 14-15, 2014. Over the last year, in addition to continuation of theoretical research in fiber and integrated optical devices, experimental facilities in the area of optical fiber measurements have been created. This year, first time M Tech. Sem III students have developed the microwave planar passive components in the department. The designs of microwave filters, divider and couplers were optimized on the simulation software and the final designs fabricated on Rapid PCB Prototyping machine Model Protomat S100 using the CircuitCAM and Boardmaster softwares. The 15 developed components were tested on the existing network analyzer HP 8757D and were displayed in Antardhawni 2015.

Apart from this, the Department organizes seminars, lectures and talks on a regular basis. This year IEEE-EDS Delhi Chapter organized IEEE-EDS Technical Lecturer Talk by, Dr. Amitava Sen Gupta, Scientist- H, Time and frequency standards department, National Physical Laboratory on "Atomic Clocks- How do they work and why do we need them" at, University of Delhi South Campus, New Delhi on November 14, 2014. Also Mini Colloquia was organized on "Compact modelling techniques for nanoscale devices and circuit analysis" at University of Delhi South Campus, New Delhi on March 13, 2015. The Department also organizes Annual Visitors' Program and this year leading experts from academia and industry were invited to interact with the students.

Research Projects

Title	Principal Investigator	Sponsor	Funding Amount (Rs.)
“Analytical Modeling and Simulation for sub-100nm Advance Tunnel FET architectures for RF/Microwave and Biosensing Applications”	Prof. Mridula Gupta	DST	31,20,000.00
“Capacitive Modeling, Simulation, Characterization & Noise analysis of surrounded/cylindrical Gate MOSFET (SGT/CGT) for High frequency Applications (PI)”	Prof. Mridula Gupta	CSIR	15,00,000.00

Inter-Institutional Collaborations

Title	Description	Sponsor
“Collaboration with Inter-University Accelerator Centre (IUAC), National Physical Laboratory (NPL) and CEERI-Pilani”	Prof. Avinashi Kapoor	IUAC(an autonomous body of UGC)

Publications- 16

Conferences Organized

IEEE-EDS Technical Lecturer Talk by, Dr. Amitava Sen Gupta, Scientist- H, Time and frequency standards department, National Physical Laboratory on “Atomic Clocks- How do they work and why do we need them” at, University of Delhi South Campus, New Delhi November 14, 2014 coordinator Prof. Mridula Gupta and Dr. Harsupreet Kaur.

Mini Colloquia was organized on “Compact modelling techniques for nanoscale devices and circuit analysis” at University of Delhi South Campus, New Delhi March 13, 2015 coordinator Prof. Mridula Gupta.

International Conferences Attended

Prof. Enakshi K. Sharma attended International Workshop on Optical Wave and Waveguide Theory and Numerical Modeling, OWTNM 2014, held during 27th-28th June 2014 in Nice, France.

Prof. Enakshi K. Sharma attended International Conference on Fiber Optics and Photonics, PHOTONICS 2014, held during 13th-16th December 2014 at IIT, Kharagpur.

Dr. Harsupreet Kaur and Mr. Amit Birwal attended International Mini Workshop on VLSI systems, Jawaharlal Nehru University, New Delhi, Jan12th -13th, 2015

National Conference/ Seminars Attended

Prof. Enakshi K. Sharma attended “First National Conference on Recent Trends in Instrumentation and Electronics, RTIE 2015”, held during 5th-6th January 2015, Shaheed Rajguru College of Applied Sciences, University of Delhi.

Mr. Kamlesh Patel delivered a talk on "Standardization of Microwave Impedance Measurements: A Practical approach" in National Seminar on Basic Electromagnetic Theory, RF/Microwave Technologies and Applications, Maharaja Agrasen College, Delhi University, New Delhi, March 10th-11th, 2015

Mr. Amit Birwal attended “National Seminar on Basic Electromagnetic Theory, RF/Microwave Technologies and Applications”, Maharaja Agrasen College, DU, New Delhi, March 10th-11th, 2015

Number of Ph.D. Degrees Awarded- 7

Faculty Strength: Permanent – 07; BSR Fellow- 01

GENETICS

Activities and Achievements

Construction of high density integrated map and identification of consensus QTL for yield related traits in *Brassica juncea*. A new causal gene *MID2* for X-linked intellectual disability was discovered. Also, seven novel susceptibility genes/ loci for Ulcerative Colitis were identified by the first ever Genome-wide association study among north Indians. Identification of several genes/loci associated with pharmacogenetics of Methotrexate in Rheumatoid Arthritis. Functional characterization of pharmacologically relevant dopaminergic gene variants has been performed. Resistant tomato and eggplant against fungal pathogens and/or insect pests were developed by transgenic approaches, including RNA interference.

Tomato plants for delayed ripening and improved fruit quality were developed by genetic manipulation of polyamine and ethylene levels during fruit development by transgenic strategies. Modifier efficiency of Myc gene has been discovered for human neurodegenerative disorders. Developmental function of the *glob1* gene has been demonstrated for the first time in *Drosophila melanogaster*.

Honours/ Distinctions

Prof. B. K. Thelma- The Sanghvi Oration Award, ISHG

Prof. B. K. Thelma- The Sunder Lal Hora Medal, INSA

Prof. M. V. Rajam- Elected as a Fellow of The Indian National Science Academy (FNA), New Delhi.

Research Projects- 26

Title/Description	Principal Investigator	Sponsor	Funding Amount (Rs.)
“Centre of Excellence on genome mapping and molecular breeding of Brassicas (Phase II)”	D. Pental & A.K. Pradhan	DBT	4,23,00,000.00

“Broadening the genetic diversity underpinning seed quality and yield related traits in mustard rape and oilseed rape”	A.K. Pradhan	DBT-BBSRC	1,00,00,000.00
“A novel feasibility study of newborn screening for the treatable disorders and epidemiologic data generation for inborn metabolic errors in Delhi state”	Thelma B.K.	DST-SERB	15,70,00,000.00
“Identification of rare variants and copy number variations in schizophrenia by affected sib pair analysis using next generation sequencing tools”	Thelma B.K.	DBT	1,85,00,000.00
“Engineering ToLCV resistance in tomato by using single and multiple artificial micro RNAs and synthetic rep gene containing multiple mutations to resist VIGS”	M. V. Rajam	DBT (SOL-Phase II)	90,00,000.00
“Development of Transgenic Cowpea for Insect Resistance through RNA interference Technology”	M. V. Rajam	DBT (TWINNING Programme)	40,00,000.00
“Analyzing the organization of tapetum specific promoters of plants – using the promoter of A9 gene from <i>Arabidopsis thaliana</i> as a model”	P. K. Burma	CSIR	17,00,000.00
“Functional Elucidation of Multiple Globin Genes in <i>Drosophila melanogaster</i> ”	Surajit Sarkar	DST	49,00,000.00
“Host mediated pathogen gene silencing: Developing a strategy for engineering resistance against necrotrophic pathogen <i>Sclerotinia sclerotiorum</i> in <i>Brassica juncea</i> (Indian mustard)”	Jagreet Kaur	DBT	49,00,000.00

Inter Institutional Collaboration

Title/Description	Principal Investigator	Sponsor	Funding Amount (Rs.)
Collaboration with Prof. Ian Bancroft, Department of Biology, University of York, UK”	Prof. D. Pental & Prof. A.K. Pradhan	DBT-BBSRC	2,00,00,000.00
Collaboration with Prof. Eric Holub, University of Warwick. UK	Prof. D. Pental	DBT	2,00,00,000.00

“A comparative gut microbiome analysis in individuals based on Ayurveda subgroups” (Collaboration with Denmark Technical University, Denmark)	Prof. B. K. Thelma & Prof. T. Sicheritz-Ponten	----	----
“Engineering To LCV resistance in tomato by using single and multiple artificial micro RNAs and synthetic rep gene containing multiple mutations to resist VIGS” (Collaborative project with JNU, New Delhi, India)	M. V. Rajam	DBT (SOL-Phase II Programme)	90,00,000.00
“Development of Transgenic Cowpea for Insect Resistance through RNA interference Technology” (Collaborative project with IIT, Guwahati, India)	M. V. Rajam	DBT (TWINNING Programme)	40,00,000.00

Publications- 32

Bali, S., Mamgain, A., Raina, S. N., Yadava, S. K., Bhat, B., Das, S., Pradhan, A. K., Goel, S. 2015 “Construction of a genetic linkage map and mapping of drought tolerance trait in Indian beverage tea” Mol. Breeding DOI 10.1007/s11032-015-0306-5

Rout, K., Sharma, M., Gupta, V., Mukhopadhyay, A., Sodhi, Y. S., Pental D., and Pradhan, A. K. 2015 “Deciphering allelic variations for seed glucosinolate traits in oilseed mustard (*Brassica juncea*) using two bi-parental mapping populations” Theor. Appl. Genet. 128: 657 - 666

Meenu, Augustine, R., Majee, M., Pradhan, A. K., Bisht, N. 2015 “Genomic origin, expression differentiation and regulation of multiple genes encoding CYP83A1, a key enzyme for core glucosinolate biosynthesis, from the allotetraploid *Brassica juncea*” Planta 241: 651 - 665

Bisht, N.C., Jagannath, A., Augustine, R., Burma, P.K., Pradhan, A.K., Pental, D. 2014 “Effective restoration of male-sterile (bar) lines requires overlapping and higher levels of barstar expression: A multi-generation field analysis in *Brassica juncea*” J. Plant Biochem. Biotech. Doi: 10.1007/s13562-014-0289-z

Yadava, S. K., Paritosh, K., Punjabi-Massand, P., Gupta, V., Chandra, A., Sodhi, Y. S., Pradhan, A. K., Pental, D. 2014 “Tetralocular ovary and high siliqua width in yellow sarson lines of *Brassica rapa* (subspecies *trilocularis*) are due to a mutation in Bra034340 gene, a homologue of *CLAVATA3* in *Arabidopsis*” Theor. Appl. Genet. 127: 2359 - 2369

Paritosh, K., Gupta, V., Yadava, S. K., Singh, P., Pradhan, A. K., Pental, D. 2014 “RNA-seq based SNPs for mapping in *Brassica juncea* (AABB): Synteny analysis between the two constituent genomes A (from *B. rapa*) and B (from *B. nigra*) shows highly divergent gene block arrangement and unique block fragmentation patterns” BMC Genomics 15:396

Sarita Sharma, K Lakshmi Padmaja, Vibha Gupta, Kumar Paritosh, Akshay K Pradhan, Deepak Pental 2014 “Two Plastid DNA Lineages—*Rapa/Oleracea* and *Nigra*—within the Tribe Brassiceae Can Be Best Explained by Reciprocal Crosses at Hexaploidy: Evidence from Divergence Times of the Plastid Genomes and R-Block Genes of the A and B Genomes of *Brassica juncea*” PloS One, 9 (4): e93260

- Padmaja, L. K., Agarwal, P., Gupta, V., Mukhopadhyay, A., Sodhi, Y. S., Pental, D., Pradhan, A. K. 2014 “Natural mutations in the two homoeologous *TT8* genes control yellow seed coat trait in allotetraploid *Brassica juncea* (AABB)” *Theor. Appl Genet.* 127: 339 – 347
- Senapati S, Gutierrez-Achury J, Sood A, Midha V, Szperl A, Romanos J, Zhernakova A, Franke L, Alonso S, Thelma BK, Wijmenga C, Trynka G. 2014 “Evaluation of European coeliac disease risk variants in a north Indian population” *Eur J Hum Genet.* DOI: 10.1038/ejhg.2014.137
- Juyal G, Mondal M, Luisi P, Laayouni H, Sood A, Midha V, Heutink P, Bertranpetit J, Thelma BK, Casals F. 2014 “Population and genomic lessons from genetic analysis of two Indian populations” *Hum Genet.* 133(10):1273-87. DOI: 10.1007/s00439-014-1462-0
- Sood A, Amre D, Midha V, Sharma S, Sood N, Thara A, Bansal M, Juyal G, Thelma BK, Seidman E. 2014 “Low hygiene and exposure to infections may be associated with increased risk for ulcerative colitis in a North Indian population” *Ann Gastroenterol.* 27(3): 219-223
- Taur S R, Kulkarni N B, Gandhe P P, Thelma BK, Ravat S H, Gogtay N J, Thatte U M. 2014 “Association of polymorphisms of CYP2C9, CYP2C19, and ABCB1, and activity of P-glycoprotein with response to anti-epileptic Drugs” *J Postgrad Med* 60: 265-9
- Laayouni H, Oosting M, Luisi P, Ioana M, Alonso S, Ricaño-Ponce I, Trynka G, Zhernakova A, Plantinga TS, Cheng S, Meer J W M, Popp R, Sood A, Thelma BK, Wijmenga C, Joosten LAB, Bertranpetit J and Netea MG. 2014 “Convergent evolution in European and Rroma populations reveals pressure exerted by plague on Toll-like receptors” *PNAS* 18,111(7): 2668-73
- Senapati S, Singh S, Das M, Kumar A, Gupta R, Kumar U, Jain S, Juyal RC and Thelma BK. 2014 “Genome-wide analysis of Methotrexate pharmacogenomics in rheumatoid arthritis reveals multiple novel risk variants and leads for TYMS regulation” *Pharmacogenetics and Genomics* 24(4): 211-9 (2014)
- Antony Michealraj K, Jatana N, Jafurulla M, Narayanan L, Chattopadhyay A, Thelma BK. 2014 “Functional characterization of rare variants in human dopamine receptor D4 gene by genotype-phenotype correlations” *Neuroscience.* 14; 262:176-89
- Geetha TS, Michealraj AK, Kabra M, Kaur G, Juyal RC, Thelma BK 2014 “Targeted deep resequencing identifies MID2 mutation for X-linked Intellectual disability with varied disease severity in a large kindred from India” *Hum Mutat.* 35(1): 41-44
- Roopali Pandey, Aarti Gupta, Anuj Chowdhary, Ram Krishna Pal & M. V. Rajam 2015 “Over-expression of mouse ornithine decarboxylase gene under the control of fruit-specific promoter enhances fruit quality in tomato” *Plant Mol. Biol.* DOI10.1007/s11103-014-0273-y
- Tengale Dipak Bhauso, Thankappan Radhakrishnan, Abhay Kumar, Gyan Prakash Mishra, Jentilal Ramjibhai Dobarra, Kirankumar Patel & Rajam MV. 2015 “Overexpression of bacterial *mtlD* gene in peanut improves drought tolerance through accumulation of mannitol” *Sci. World J.* DOI.org/10.1155/2014/125967
- Deepali Singh, Annick Ambroise, Robert Haicour, Darasinh Sihachakr & Rajam MV 2014 “Increased resistance to fungal wilts in transgenic eggplant expressing alfalfa glucanase gene” *Physio. Mol. Biol. Plants* DOI: 10.1007/s12298-014-0225-7
- Madhulatha P, Aarti Gupta, Saaraj Gupta, Anuj Kumar, Pal RK & Rajam MV 2014 “Fruit-specific over-expression of human S-adenosylmethionine decarboxylase gene results in polyamine accumulation and affects diverse aspects of tomato fruit development and quality” *J. Plant Biochem. Biotechnol.* 23: 151-160. DOI: 10.1007/s 13562-013-0194-x

Mehrotra AK, Bhullar S and Burma PK 2014 “Development of intron-containing barnase gene (barnase-int) encoding a toxic protein to facilitate its cloning in bacterial cells” *Journal of Plant Biochemistry and Biotechnology* 23:435-439

Verma N and Burma PK 2014 “A method to synthesize cDNA constructs by based recombinational cloning” *American Journal of Molecular Biology* 4:16-19

Gupta R., Sarkar S. and Srivastava S 2014 “*In vivo* Toxicity Assessment of Antimicrobial Peptides (AMPs LR14), Derived from *Lactobacillus plantarum* Strain LR/14 in *Drosophila melanogaster*” *Probiotics & Antimicro. Prot.* 6:59-67. DOI 10.1007/s12602-013-9154-y

Chanu, SI. Singh, MD. Nisha, Sarkar S 2014 “Transcriptional up-regulation and its impact on poly(Q) disorders” *Ther Targets Neurol Dis* 1: e312

Chanu SI, Sarkar S 2014 “The Paradox of c-Myc Proto-oncogene and its Diverse Functions” *Cell Dev Biol* 3: 145

Chanu SI and Sarkar S. 2014 “Myc: Master Regulator of Global Genomic Expression” *Austin J Genet Genomic Res.* 1(2): 5

Sarkar S 2014 “Impairment of Cellular Transcriptional Machinery in Poly(Q) Disorders” *Cell Dev Biol* 3: 1000e127

Chanu SI, Varsha, Sarkar S 2014 “Modeling Human Neurodegenerative Tauopathies in Animal Models: Focus on *Drosophila melanogaster*” *Adv Tech Biol Med* 2: e104

Yadav R, Raj K, Sarkar S. 2014 “Comprehending Human Disorders: Focus on Reactive Oxygen Species” *J Cell Sci Molecul Biol.* 1(3): 110

Surajit S 2014 “Protein Aggregation in Neurodegenerative Disorders: A Cause or Consequence?” *Adv Tech Biol Med* 2: e105

Sarkar S (2014) “*Drosophila* Oogenesis: An Elegant Model System in Cell and Developmental Biology” *Cell Dev Biol* 4:000e132

Conferences Attended

The 8th Congress of the International Society of Nutrigenetics/ Nutrigenomics meeting on May 2-3, 2014, at Gold Coast, Queensland, Australia. (Prof. B. K. Thelma)

Workshop entitled “Managing disease genomics of the HLA, TCRs & BCRs” from Oct. 23 – 26, 2014 at Shanghai, China. (Prof. B. K. Thelma)

18th Convention of the Association for DNA Fingerprinting and Other DNA Technologies (ADNAT)-2015 and Symposium “Genetic Engineering of Agricultural Crops and Livestock: Current Status and Social, Ethical and Regulatory Issues” held during 23rd – 25th February 2015, University of Hyderabad, Hyderabad. (Prof. M. V. Rajam)

102nd Indian Science Congress – “Science & Technology for Human Development” and Special Symposium on ‘Recent Progress and Future Perspective for Stress Tolerance in Plants’, University of Mumbai, Mumbai, January 3-7, 2015 (Prof. M. V. Rajam)

The 80th Anniversary General Meeting of the Academy, National Institute of Oceanography, Goa, December 19-21, 2014. XXXVII Indian Botanical Conference and National Symposium on

“Biodiversity & Climate Change”, V. G. Vaze College of Arts, Science & Commerce, Mumbai, November 7-9, 2014 (Prof. M. V. Rajam)

35th Annual Meeting of PTCA (India) and National Symposium on “Advances in Plant Molecular Biology & Biotechnology”, IISER, Pune, March 10-12, 2014 (Prof. M. V. Rajam)

Invited talk at XXXVIII All India Cell Biology Conference & International Symposium on “Cellular Response to Drugs” Dec 10-12, 2014. (Dr. P.K. Burma)

Young Investigator meeting (27.03.2015 to 01.04.2015) at Srinagar, Jammu & Kashmir, India. (Dr. Surajit Sarkar)

Arabidopsis workshop (8th - 10th Oct 2014) Deciphering the mechanism underlying resistance against fungal necrotroph *Alternaria brassicae*- Invited speaker, CCMB, Hyderabad. (Dr. Jagreet Kaur)

Meeting on “Molecular intricacies of plant microbe interaction” (21-23 February 2015), Tezpur University, Assam. (Dr. Jagreet Kaur)

Annual *Dictyostelium* Conference, Potsdam, Germany, August 3-7, 2014. (Dr. Aruna Naorem)

Yeast Genetics Meeting, University of Washington, Seattle, USA July 29 - August 3, 2014 (Dr. Kaustuv Dutta)

Number of Ph.D/ M.Phil. Degrees Awarded

Ph.D- 7

M.Phil- 1

Faculty Strength: 10

MICROBIOLOGY

Activities and Achievements

Recombinant chitinase, amylase, cellulose, pectinase, and a bifunctional enzyme cellulase-xylanase have been expressed in *E. coli* and *Pichia pastoris*, and the recombinant enzymes have been characterized. The pilot scale processes for production of xylanase and laccase enzymes have been developed and their application in bleaching of kraft pulp was confirmed. A DNA based biosensor has been developed to detect the putative laccase producing organisms. A bench scale process for the production of ganoderic acid (therapeutic agent) has also been developed. Sustained production of L-Theanine was standardized using chitosan immobilized gamma glutamyl transpeptidase from *Bacillus licheniformis*. Diverse lipases of *Yarrowia lipolytica* were functionally characterized, of which YLIP9 was identified as methanol-stable and has biotechnological applications. A large number of iron acquisition and storage-related genes were investigated in strains of *Yersinia enterocolitica* biovar 1A. The proteome of *Yersinia enterocolitica* under iron-poor and iron-rich conditions has been investigated to understand role of various iron-modulated proteins in virulence potential of *Yersinia enterocolitica* biovar 1A. The importance of histone acetylations in modulating *Leishmania donovani* cellular events was analyzed using a knockout line of histone acetyltransferase HAT3. We found HAT3 to play a major role in the formation of nucleosomal structure of chromatin. Furthermore, HAT3 mediates the cell's response to DNA damage following exposure to UV radiation.

Research Projects

Title/Description	Principal Investigator	Sponsoring organization	Funding Amount (Rs.)
DBT Virtual Enzyme Centre- “Development of Enzyme formulation for treatment of lignocellulosic biomass”	Prof. R. C. Kuhad	DBT	85,75,000.00

Publications

Kameswaran, K., Mahajan, R. V and Saxena, R. K. 2014 “Enhanced Nitrilase Production By Rhodococcus Pyridinivorans Sn2 Using An Optimized Biphasic Fermentation Approach And Its Use For Nicotinic Acid Synthesis” J. Proteins and Proteomics, 5(4), 185-192

Mahajan, R V. Rajendran, V. J., Kumar, V., Saran, S., Ghosh, P. C. and Saxena R. K. 2014 “Purification and Characterization of a novel and robust L-asparaginase having low-glutaminase activity from *Bacillus licheniformis*: *in-vitro* evaluation of anti-cancerous properties” Plos One, 9(6): 1-8

Kumar, V. and Satyanarayana, T 2015 “Generation of xylooligosaccharides from microwave irradiated agroresidues using recombinant thermo-alkali-stable endoxylanase of the polyextremophilic bacterium *Bacillus halodurans* expressed in *Pichia pastoris*” Biores. Technol. 179: 382-389

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Sharma, A., Thakur, V.V., Shrivastava, A., Jain, R.K., Mathur, R.M., Gupta, R., Kuhad R.C. 2014 “Xylanase and laccase based enzymatic kraft pulp bleaching reduces adsorbable organic halogen (AOX) in bleach effluents: A pilot scale study” Bioresource Technology <http://dx.doi.org/10.1016/j.biortech.2014.06.066>.

Shrivastava, B., Jain, K.K., Kalra, A., Kuhad R.C. 2014 “Bioprocessing of wheat straw into nutritionally rich and digested cattle feed” Scientific Reports DOI: 10.1038/srep06360.

Gupta, A. Kumari, P. Syal, Y Singh 2015 “Molecular and functional diversity of yeast and fungal lipases: Their role in biotechnology and cellular physiology” Progress in Lipid Research 57: 40-54

A. Kumari, R. Gupta 2014 “Novel strategy of using methyl esters as slow release methanol source during lipase expression by mut+ *Pichia pastoris* X33” PLoS ONE 9(8): e104272. doi:10.1371/journal.pone.010427

Kanaujia PK, Bajaj P, Kumar S, Singhal N, Viridi JS 2015 “Proteomic analysis of *Yersinia enterocolitica* biovar 1A under iron-rich and iron-poor conditions indicate existence of efficiently regulated mechanisms of iron homeostasis” J Proteomics. 2015; 124:39-49 DOI: 10.1016/j.jprot.2015.04.015

Singhal N, Kumar M, Viridi JS 2014 “Molecular analysis of β -lactamase genes to understand their differential expression in strains of *Yersinia enterocolitica* biotype 1A” Scientific Reports (Nature Publishing Group) DOI: 10.1038/srep05270

Kumar, D, & Saha, S. 2015 “HAT3-mediated acetylation of PCNA precedes PCNA monoubiquitination following exposure to UV radiation in *Leishmania donovani*” Nucleic Acids Res. DOI: 10.1093/nar/gkv431

Goswami, K, Arora, J, & Saha, S. 2014 “Characterization of the MCM homohexamer from the thermoacidophilic euryarchaeon *Picrophilus torridus*” Sci. Rep. 5: 9057

Conferences Organized/ Attended

Attended by Prof. R.K. Saxena, “Butanol: A Burning issue for the second generation biofuels” Symposium on “Microbes, Microbial Products and Biotherapeutics for Societal Needs” at Department of Microbiology of Punjab University, Chandigarh 17 -18th Feb., 2015

Attended by Prof. R.K. Saxena, “Bacterial cellulose: a sustainable alternative to plant cellulose and an important biopolymer” International Conference on “Emerging Trends in Biotechnology” at Jawahar Lal Nehru University, New Delhi during November 6-9, 2014

Number of Ph.D./ M.Phil. Degrees Awarded- 08

Number of National Journals Subscribed- 05

Number of International Journals Subscribed- 200

PHYSICAL EDUCATION & SPORTS SCIENCES

Activities and Achievements

“International Congress on Sports Psychology” organized by the Department of Physical Education & Sports Sciences, University of Delhi in collaboration with IGIPSS and Sports Psychology Association of India, during 15-18 October, 2014 at Sir Shankar Lal Hall, University of Delhi. The department invited Prof. Brian Holding (CEO) and Mr. Barry Johnson (International Development Director) from “Human Kinetics”, Urbana Champaign, USA to search the best possibility of collaborative publications and other professional activities on 19th February, 2015. A Journal of Physical Education & Sports Sciences Vol. 2 No.2, July, 2014, ISSN: 2320-7981 was published by the department. Proceedings of International Congress (ICSP-2014), ISBN: 978-81-7873-0776 was also published with copy right jointly with the department & IGIPSS. Nine scholars were awarded Ph.D. degrees. In addition eight have submitted their thesis for evaluation while ten new admissions to Ph.D. programme were done during the session.

Honours/ Distinctions

Dr. D.K. Kansal, nominated as Chairman, Organizing Committee for the UGC Sponsored International Congress on Sports Psychology, organized by IGIPSS. He is also awarded Certificate of Appreciation by UNICEF as ‘Guardian of Hope’ for the help provided to Children for their education and upliftment as per letter UNICEF, Delhi office on 28.10.2014.

Dr. Sarita Tyagi was nominated as Chairman, Organizing Committee for the UGC Sponsored International Congress on Sports Psychology, organized by IGIPSS and Department of Physical education & Sports Sciences (Faculty of Inter-disciplinary & Applied Sciences), University of Delhi and Sports Psychology Association of India, during 15-18 October, 2014.

Dr. Rakesh Gupta represented Indian Delegation as ‘Facilitator’ for the ‘Asia Forum’ on the occasion of celebration of Olympism at Kathmandu (Nepal), organized by the Youth UNESCO Club & Nepal Olympic Committee during July 16th to 20th, 2014.

Dr. Lalit Sharma, nominated as 'Joint Secretary, Organizing Committee' for the UGC sponsored International Congress on Sports Psychology organized by IGIPSS.

Dr. D.K. Kansal, appointed as an 'External Expert' by WHO Manual titled 'Development of Training Modules' for Health Professional (Doctors, Counselors, Community Health Workers) in addressing behavioral/Psychological risk factors for Non-communicable diseases, on 26th August, 2014 at New Delhi. He was Invited as Delegate to Higher Education Summit on May 30, 2014, Hyatt Regency, New Delhi.

Dr. Ashok Kumar Singh was nominated as an 'External Subject Expert' by the Ch. Charan Singh University, Meerut for admission to Sports Quota during 10.9.2014 to 12.09.2014.

Dr. Rakesh Gupta was appointed as an 'Observer, Association of Indian Universities for All India Inter-varsity Cross Country Championships (Men & Women), organized by M.G. University, Kottayam, held at Kochi (Kerela), on 18th October, 2014.

Dr. Gupta was 'Resource Person' on the event of 'Celebration of Commonwealth Day', organized by the International Olympic Academy Participants Association, CYSDP, 'Wheeling Happiness' (NGO) and Hora Jeewan (an NGO) on March 9th, 2015 at New Delhi.

Dr. Vijay acted as 'Resource Person' for five 'In-service' Training Programme for Physical Education Teacher (TGT's and PGT's) organized by Department of Sports, Government of National Capital Territory of Delhi during the months of June and July, 2014.

Research Projects

A total of 54 research projects in the field of physical education & sports sciences were carried out with a philosophy of inter-disciplinary & applied sciences during the session 2014-15. The outcomes of the research projects have also been utilized for the welfare of the society and to upgrade the status & potential of physical education & sports sciences. The projects were based upon the present & upcoming needs of the society so as to serve the society in a better and professional way.

Inter Institutional Collaboration

In collaboration with Sports Psychology Association of India, the Department organized an International Congress on Sports Psychology on 15-18th October, 2014 at Sir Shankar Lal Hall, University of Delhi.

Library Development

The department has extended the facility to its research scholars for the use of the library of IGIPSS. The IGIPSS is running the well equipped DPESS which is used by the investigators and research scholars. The DPESS and IGIPSS commenced the 'Digital Library'. In this process, all books in the library have been put on-line through the data base (OPAC) with the help of XAMPP Server. M.P.Ed. Dissertations, Ph.D. Theses, Question Papers and Syllabus etc. have been made available in digital format through Micro Media Dream Viewer (MMDV) on Intranet, connected to the IP address of IGIPSS. Total 199 books were added to the Library especially in the areas of Sports Psychology, Kinesiology, Sports Training, Sports Medicine, & Health, Physical Fitness, Sports Marketing & Management and Physiology of Exercise etc. during the year. Total 100 books were received on complementary basis published by 'Human Kinetics' related to Physical Education & Sports Sciences by courtesy of Prof. Brian Holding (CEO) and Mr. Barry Johnson, (International Development Director) of the renowned publisher of USA.

Publications

Kansal, D.K. 2014 “Empowering Teachers for School Children ’s Good Health, Fitness and Wellness” Indian Journal of Physical Education and Sports Sciences, Vol.2:2, July, 2014 pp13-19

Kansal, D.K. 2014 “Psychological Preparation of Educationists to Introduce Panaroma Technology and Balanced Education Concept” published Souvenir ICSP for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, p: 39-44

Kumar, D., Meenakshi and S. Tiwari 2014 “To Compare Musculoskeletal Fitness between Government and Public School 10 years Old Boys of Delhi”, Concept published Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp100-103

Meenakshi, L. Sharma & Anit 2014 “An Assessment of Goal Setting Among Indian Performers” Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp269-271

Rawat, S. S. Tiwari and E.B. Satsangi 2014 “An Assessment of Health Related Quality of Life in People Exercising in the Green and Indoors”

Semwal, J., V. Semwal, R. Singh and L. Sharma 2014 “Effectiveness of Cognitive Behavior Therapy on the Performance of Players in Taekwondo, published Proceedings for International Congress on Sports Psychology” ISBN: 978-81-7873-077-6, October 2014, pp197-204

Sharma, M & L. Sharma 2014 “Effect of Relaxation Intervention on the Pulse Rate of the Indian Gymnast” Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp219-222

Tyagi, K. and L. Sharma 2014 “Endorsing Quality of Life Through Physical Education at Different Age Groups” Indian Journal of Physical Education and Sports Sciences, Vol.2No.2: 62-72

Conferences/Workshops Attended

Dr. D.K. Kansal presented the concept paper entitled ‘Psychological Preparation of Educationists to Introduce Panaroma Technology and Balanced Education Concept’ in the International Congress on Sports Psychology, jointly organized by IGIPESS and Department of Physical education & Sports Sciences, University of Delhi and Sports Psychology Association of India, on 15-18 October, 2014.

Dr. Rakesh Gupta presented a Concept Paper on ‘Professional Preparation and Career Avenues in Physical Education and Sports Sciences at PHD Global Sports Convention-2014, on Sports for All – A Track Ahead, organized by PHD Chamber of Commerce on 12th August, 2014.

Dr. Lalit Sharma delivered a Key Note Address in UGC Sponsored one day Seminar on ‘Career Opportunities in PE & SS’ in Brizani City College, Nagpur on 27.9.2014. He also delivered a Key Note Address on Mental Health & Endurance among Sports Person in NSSM College, Nagpur on 23rd August, 2014.

Extensions and Outreach Work

A Lecture-cum-interaction programme with Dr. David Yukelson (Director, Sports Psychology Services, Pennsylvania State University, USA) on 21.10.2014 in the Assembly Hall of IGIPESS.

A 10 days Workshop on ‘Peace Development’ was conducted in Collaboration with ‘The Prem Rawat Foundation’: The faculty members, students & research scholars attended the programme at IGIPESS.

Number of International Journal Subscribed

Online- Approx. 40 data base through University of Delhi

Paperback Version- 03

Number of National Journals subscribed- 12

PLANT MOLECULAR BIOLOGY

Activities and Achievements

Functional Analysis of Genes Regulating Plant Development: Light controls plant development by the co-action of several sensory photoreceptors. One of the central integrators of light action identified first in *Arabidopsis* is a bZIP protein, HY5. We have characterized one of its orthologs in rice, OsbZIP48. It is able to functional complement *hy5* mutant of *Arabidopsis*. The over-expression and RNAi transgenics of *OsbZIP48* in rice indicate that it controls plant height, root morphology and fertility by regulating plant hormone biosynthesis.

On fertilization, a plethora of genes are turned-on to regulate seed development. OsMADS29 is a MADS-box transcription factor that expresses in a seed-specific manner and has been found to have role in embryo and seed development via regulation of auxin/cytokinin homeostasis, sucrose biosynthesis and glycolysis pathways. A large scale interaction study conducted by using BiFC and yeast-two-hybrid techniques involving MADS29 and all other MADS box protein expressing during seed development stages has revealed that MADS29 interacts with 19 more MADS box proteins and therefore may function as a major regulator of seed development in rice.

Abiotic Stress Molecular Biology: Work on wheat transcriptomics focused on some of the heat stress-related ESTs e.g. *TaHSF*, *TaHSP26*, *TaMIPS2* and a *TaMP*. Real time analysis found HSF to be induced by calcium, salt, ABA, PEG and heat stress, particularly in various flower and seed tissues. *TaHSF* could possibly have a role in salt stress and Drought stress. Transgenic *Arabidopsis* plants of *TaHSF* gene were also raised. Overexpression lines showed much better response as compared to wild type. Wheat HSP26, was highly inducible by heat stress in both shoot and root tissues. TaHSP26 functions during both seed maturation as well as response towards high temperature stress. For detailed promoter analysis, deletion analysis was undertaken. Physiological, biochemical and molecular analysis is underway in T4 transgenics. *TaMIPS2* is expressed during different developing seed stages upon heat stress. The transcript increases in unfertilized ovaries and significant amounts were present during the recovery period providing evidence that MIPS is crucial for heat stress recovery and flower development.

Calcium act as a central player in most of the signaling in all eukaryotes, be it physiological or developmental processes. One of the most important phenomenon calcium regulates is the signal transduction network for sensing and responding to environmental stimuli, which uses a plethora of calcium sensors such as Calmodulin, CDPK, and CBL-CIPK networks in plants. The role of several downstream components in calcium signaling, which might be working in concert with calcium sensors/relay, and ultimately acting as effectors in modulating a response either by change in gene expression or direct physiological regulation is being investigated. We are extensively working to implicate the function of several kinases such as CIPK3, CIPK9, CIPK21 by adopting a holistic genetic and biochemical approaches. At the same time, we have some interesting downstream partners of these kinases, which are transcription factors, transporters/channels and other accessory proteins. The major part of our work is involved in connecting or linking these components in abiotic stress signaling pathway, which could be utilized for biotechnological intervention to design stress tolerant crop plants in near future.

Understanding a complex trait such as Drought tolerance requires a 'systems' level of understanding of rice biology. Thus, we have developed novel data curation models that enable digitization and precise integration of published experimental data. Normally, experimental data in publications is depicted as graphs and images and is not amenable to computerized search and integration. These data models convert every data point (in graphs or images) into an alpha-numeric format, with the help of controlled vocabulary, which can be easily stored in a relational database. The efficacy of these models has been demonstrated by developing an international literature-based database of rice proteins entitled 'Manually Curated Database of Rice Proteins (MCDRP)' which is currently available at www.genomeindia.org.in/biocuration and has data for over 2000 rice proteins from over 450 research articles. The database is already being actively accessed across the globe as reported by

‘Google Analytics’. Simultaneously, comparative analysis of *indica* rice cultivars has been initiated by generating whole genome sequences and annotations of 5 *indica* rice cultivars which include 3 Drought tolerant (Nagina 22, Anjali and Vandana) and 2 sensitive cultivars (IR64 and PB1). The data is available at ‘Indica Rice Database (IRDb) which is available at www.genomeindia.org.in/irdb and is unique as it provides gene annotations of all the 5 *indica* cultivars instead of just variability data (SNP). It also connects gene models to literature through MCDRP and serves as access point for data (transcriptome, epigenome etc.) generated by the group.

Tetraspanins are known to be evolutionary conserved proteins with four trans membrane domains and are believed to play role in formation of super-molecular complexes at cell surface. With an aim to characterize these proteins in rice, we performed comprehensive expression profiling of tetraspanin proteins in various tissues and in seedlings exposed to variety of abiotic stresses. It was found that several of these proteins were differentially expressed in tissues and/or during abiotic stresses. This is the first report wherein tetraspanins have been shown to be responsive to abiotic stresses. Efforts will be made to understand the biological function of tetraspanins along with their interacting partners in rice.

Plant Biotechnology: In *Arabidopsis thaliana*, the At1g74310 locus encodes for caseinolytic protease B-cytoplasmic (ClpB-C)/heat shock protein100 protein (AtClpB-C), which is critical for the acquisition of thermotolerance, and At1g74320 encodes for choline kinase (AtCK2) that catalyzes the first reaction in the Kennedy pathway for phosphatidylcholine biosynthesis. We have proposed a model in which AtClpB-C shares its regulatory region with heat-induced choline kinase, which has a possible role in heat signaling.

Molecular Virology: As part of our work on using new strategies to control plant viruses, we have used artificial trans-acting small RNAs to control virus infection in the experimental plant tobacco.

Honours/ Distinctions

Prof. J.P. Khurana: Professor J.C. Sengupta Endowment Lecture Award by the West Bengal Academy of Sciences & Technology (WAST), in October 2014.

Prof. H.C. Arya Memorial Gold Medal awarded by the Plant Tissue Culture Association of India (PTCA-I) in January 2015.

Prof. P. Khurana Shri Ranjan Memorial Lecture Award (2014) by ‘The National Academy of Sciences’, India.

Prof. Anil Grover was invited speaker at SPOT-ITN conference “Stress biology and crop fertility”, Sorrento, Naples, Italy (March 18-22, 2015)

Research Projects

Prof. Anil Grover: "Genetic analysis of the regulation of Hsp100 promoter activity by heat shock factors in rice and *Arabidopsis*" from DST, Government of India (Rs. 95 Lakhs)

“Generation of transgenic virus resistance in okra using RNA interference”, funded by BIRAC/BIPP Industrial partner: Nirmal Seeds, Pachora, Maharashtra (2012-2017) (Rs. 100 lakhs)

“Functional characterization of *Arabidopsis* CCX 1 and 2 (Ca²⁺ Cation exchangers) under abiotic stress conditions”, funded by DBT, India (2015-2018) (Rs. 48.79 lakhs)

“Enhancement of starch accumulation and grain filling by dual specificity protein phosphatase AtDSP4 in *Arabidopsis* and OsPP42 in rice”, funded by DBT, India (2014-2015) (Rs. 47 lakhs)

One of the three PIs in the “Int. Wheat Genome Seq. Consortium (IWGSC)-Physical mapping and sample sequencing of wheat chromosome 2A” funded by DBT, India (2010-2015) (Rs. 751.46 Lakhs)

'Tomato Ripening Network' by Arun K. Sharma & J. P. Khurana (January 14, 2015 – January 13, 2020) funded by DBT (Rs.130.98 lakhs)

Inter Institutional Collaboration

“Functional dissection of geminiviral promoters for developing heterologous gene expression systems” in collaboration with Dr. Basanta Kumar Borah (Assam Agricultural University, Jorhat, Assam), funded by DBT (2012-2015) (28. 8 lakhs).

Publications

Bollineni, H., Krishnan, S.G., Sundaram, R. M., Sudhakar, D., Prabhu, K.V., Singh, N. K., Pal, M., Mishra, S., Khurana, J.P. & Singh, A.K. 2014 “Marker assisted biofortification of rice with pro-vitamin A using transgenic Golden Rice® lines: progress and prospects” Indian J. Genet. 74(4) Suppl., pp. 1-7

Dhariwal, R., Gahlaut, V., GovinDraj, R.B., Singh, D., Mathur, S., Vyas, S., Bandopadhyay, R., Khurana, J.P., Tyagi, A.K., Prabhu, K.V., Mukhopadhyay, K., Balyan, H.S. & Gupta, P.K. 2014 “Stage-specific reprogramming of gene expression characterize Lr48 mediated adult-plant leaf rust resistance in wheat” Funct. Integ. Genomics (In press, DOI, 10.1007/s10142/014/0416/s).

Gahlaut, V., Mathur, S., Dhariwal, R., Khurana, J.P., Tyagi, A.K., Balyan, H.S. & Gupta, P.K. 2014 “A multi step phosphorelay two-component system impacts on tolerance against dehydration stress in common wheat” Funct. Integ. Genomics 14, 707-716.

The International Wheat Genome Sequencing Consortium (IWGSC) 2014 “A chromosome-based draft sequence of the hexaploid bread wheat (*Triticum aestivum*) genome” Science 345: 1251788-1 to1251788-11.

Kanwar, P., Sanyal, S.K., Tokas I., Yadav, A.K., Pandey, A., Kapoor, S. & Pandey, G.K. 2014 “Comprehensive structural, interaction and expression analysis of CBL and CIPK complement during abiotic stresses and development in rice” Cell Calcium 56: 81–95.

Kohli, D., Joshi, G., Deokar, A.A., Bhardwaj, A.R., Agarwal, M., Katiyar-Agarwal, S., Srinivasan, R. & Jain, P.K. 2014 “Identification and characterization of wilt and salt stress-responsive microRNAs in chickpea through high-throughput sequencing” PloS ONE, OCT 8: 9(10):E108851. DOI: 10.1371/JOURNAL.PONE.0108851.

Kumar, R. & Sharma, A. K. 2014 “Ethylene perception and signaling in ripening fruit” In: Nath, P., Bouzayen, M., Mattoo, A. K. & Pech, J. C. (Eds.), Fruit ripening: Physiology, Signalling and Genomics. . Publisher: CABI, Oxfordshire, U K, pp 193-201

Kumar, R., Khurana, A. & Sharma, A.K. 2014 “Role of plant hormones and their interplay in development and ripening of fleshy fruits” J. Exp. Bot. 65:4561–4575.

Mishra, R.C. & Grover, A. 2014 “Intergenic sequence between Arabidopsis ClpB-C/Hsp100 and choline kinase genes functions as a heat inducible bidirectional promoter” Plant Physiology 166: 1646-1658.

Pandey, R., Joshi, G., Bhardwaj, A.R. Agarwal, M. & Katiyar-Agarwal S. 2014 “A comprehensive genome wide study on tissue-specific and abiotic stress-specific miRNAs in *Triticum aestivum*” Plos one April 23, 2014 DOI: 10.1371/Journal. Pone.0095800.

Sangwan, N., Verma, H., Kumar, R., Negi, V., Lax, S., Khurana, P., Khurana, J.P., Gilbert, J. & Lal, R. 2014 “Reconstructing an ancestral genotype of two hexachlorocyclohexane-degrading *Sphingobium* species using metagenomic sequence data” The ISME Journal 8: 398-408.

- Sarkar, N.K., Kim, Y.K. & Grover, A. 2014 “Coexpression network analysis associated with call of rice seedlings for encountering heat stress” *Plant Molecular Biology* 84: 125-143.
- Shankar, A., Srivastava, A.K., Yadav, A.K., Sharma, M., Pandey, A., Raut, V.V., Das, M.K., Suprasanna, P. & Pandey, G.K. 2014 “Whole Genome Transcriptome Analysis of Rice Seedling Reveal Alterations in Ca²⁺ Ion Signaling and Homeostasis in Response to Ca²⁺ Deficiency” *Cell Calcium* 55: 155-165.
- Sharma A.K. & Sharma M.K. 2014 “Plants as host for recombinant DNA” In: Das, H.K. (Ed.), *Gene and its Engineering*, Wiley India Pvt. Ltd., New Delhi, India, pp. 410-433
- Sharma, M., Pandey, A. & Pandey, G.K. 2014 “ β -catenin in Plants and Animals: Common Players but Different Pathways” *Frontiers in Plant Science- Plant Genetic and Genomics* 10: 5:143
- Singh, A., Kanwar, P., Yadav, A.K. Mishra, M., Jha, S.K. Baranwal, V., pandey, A., Kapoor, S., Tyagi, A.K. & Pandey, G.K. 2014 “Genome-wide expressional and functional analysis of calcium transport elements during abiotic stress and development in rice” *FEBS J.* 281: 894-915.
- Singh, A., Taneja, J., Dasgupta, I. & Mukherjee, S.K. 2014 “Development of plants resistant to tomato geminiviruses using artificial trans-acting small interfering RNA” *Molecular Plant Pathology*, doi: 10.1111/m pp.12229, published Online Feb 5, 2015.
- Sree, K.S., Maheshwari, S.C., Boka, K., Khurana, J.P., Keresztes, A. & Appenroth, K-J. 2014 “The duckweed *Wolffia microscopica*: a unique aquatic monocot” *Flora* 210: 31-39
- Verma, H., Kumar, R., Oldach,P., Sangwan, N., Khurana, J.P., Gilbert, J.A. & Lal, R. 2014 “Comparative genomic analysis of nine *Sphingobium* strains, Insights into their evolution and hexachlorocyclohexane (HCH) degradation pathways” *BMC Genomics*, 15, 1014 DOI, 10.1186/1471-2164-15-1014.
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- Das, M., Haq, Q.M.R. & Khurana, P. 2015 “Over expression of beta carotene hydroxylase-1 (bch1) in mulberry, *Morus indica* cv. K2, confers tolerance against high-temperature and high-irradiance stress induced damage” *Plant Cell Tissue & Organ Culture* 120 (3): 1003- 1015.
- Kansal, S., Mutum, R.D., Balyan, S.C., Arora, M.K. Singh, A.K., Mathur, S. & Raghuvanshi, S. 2015 “Unique mirnome during anthesis in drought tolerant INDICA Rice var. Nagina 22” *Planta*, Accepted DOI: 10.1007/SOO425-015-2279-3
- Kumar, R., Agarwal, P., Pareek, A., Tyagi, A.K. & Sharma, A.K. 2015 “Genomic Survey, Gene Expression, and Interaction Analysis Suggest Diverse Roles of ARF and Aux/IAA Proteins in Solanaceae” *Plant Mol. Biol. Rep.* DOI 10.1007/s11105-015-0856-z published online first on 14th February, 2015.
- Sanyal, S.K., Pandey, A. & Pandey, G.K. 2015 “The CBL-CIPK signaling module in plants: a mechanistic perspective” *Physiol. Plant.* May 7. doi: 10.1111/ppl.12344
- Shankar, A., Agrawal, N., Sharma, M., Pandey, A. & Pandey, G.K. 2015 “Role of Protein Tyrosine Phosphatases in Plants” *Current Genomics* Vol. 16 : 224-236
- Singh, A., Bhatnagar, N., Pandey, A. & Pandey, G.K. 2015 “Plant phospholipase C family: Regulation and functional role in lipid signalling” *Cell Calcium*. pii: S0143-4160(15)00066-4. doi: 10.1016/j.ceca.2015.04.003

Singh, A., Jha, S.K., Bagri, J. & Pandey, G.K. 2015 “ABA Inducible Rice Protein Phosphatase 2C Confers ABA Insensitivity and Abiotic Stress Tolerance in Arabidopsis” PLoS One.2015 Apr 17;10(4):e0125168

Conferences Organized/ Attended

Prof. J.P. Khurana participated in Symposia organized by South Asian Academies and AASSA, at INSA, New Delhi, in October 2014, participated in the 25th General Meeting of TWAS (The World Academy of Sciences), held at Muscat, Sultanate of Oman, in October 2014; delivered a lecture in the 6th ASIAHORCs Joint Symposium held at Bangkok, Thailand, in November 2014; also lead the Indian delegation, delivered a Plenary Lecture at the Indian Science Congress held at Mumbai University from January 3-8, 2015; delivered inaugural talk/plenary lecture at the National Conference organized by Presidency University, Kolkata, from February 19-20, 2015. He visited Queensland University of Technology, Brisbane, and attended a Joint meeting of DST-DBT with the Ministry of Science & Technology, Sydney, Australia, and visited some Institutes, from February 9-13, 2015.

Prof. Paramjit Khurana “The Art of Scientific Writing and Presentation” in the one-day workshop on “Scientific paper Writing and Presentation Skills” organized by NASI at the Dehradun on June 17, 2014; “Plant Biotechnology” in the one-day sensitization workshop on “Technological Empowerment of Women through the SoRF scheme of DST in collaboration with NASI, at NEHU, Shillong, on June 30, 2014. “Integrating information from genes and genomes for tailoring crop plants for the changing climate” at the One day workshop on “Women Empowerment in Science and Technology” organized by The National Academy of Sciences, Jharkhand State Chapter, on September 25, 2014.

Dr. Girdhar Pandey participated in National conference on climate change: Impact, adaptation, mitigation and future challenges in India perspective, Conference Centre, Delhi University, from 2 and 3 March 2015 and presented “Negative and positive regulator of stress signaling: A rice protein phosphatase 2C is key regulator of ABA and abiotic stress responses”. Also he attended National Conference of Plant Physiology (NCP-2014) held at the College of Agriculture, Orissa University of Agriculture and Technology, Bhubaneswar, Orissa, India., 23 November 2014 and presented “CBL-CIPK mediated phosphorylation-dephosphorylation regulates K⁺ deprivation signaling and responses in plant”.

Number of Ph.D. Degrees Awarded- 11

Faculty Strength: Permanent- 11

FACULTY OF TECHNOLOGY

INSTRUMENTATION AND CONTROL ENGINEERING

Activities and Achievements

Best Paper Award in IEEE ICACEA-2015, International Conference on Advances in Computer Engineering and Applications – 2015 19th-20th March, 2015 on the paper titled: Prerna Gaur, Richa Sharma, A P Mittal, “Performance Evaluation on Cuckoo Search Algorithm based FOPID Controllers applied to a Robotic Manipulator with Actuator.”

Outstanding Branch Counselor Award from IEEE Delhi Section – 2015 to Dr. Prerna Gaur, Associate Professor.

Special Lectures Arranged in ICE Division of NSIT

1. Dr. Bhim Singh, IIT Delhi	2 Hour Nov' 14	NSIT
2. Prof. J W Holtz., Prof from Germany	2 Hours in April' 14	NSIT
3. Mr. Sandeep Mann, IIT Delhi	2 Hours in April' 15	NSIT

No. of PhD submitted/awarded under Instrumentation and Control Division: 04 Nos

Name	Title of thesis	Year of registration	Degree Awarded
Monika Gupta	Some studies on assessments & control of power quality issues using soft computing techniques	2009	2014
Saurabh Bhardwaj	System Identification & Control using Hybrid Combination of Statistical & Soft-Computing Techniques	2009	2014
S K Jha	“Some Studies on Optimal/Robust Control Aspects of Control Problems.”	2009	2014
Bhavenesh	Artificial Intelligent Controllers for Induction Motor Drives		2014

Publications

Total-40

Richa Sharma, Prerna Gaur and A.P. Mittal, “Performance analysis of two-degree of freedom fractional order PID controllers for robotic manipulator with payload,” accepted for publication in ISA Transactions, 2015, Impact Factor:2.256.

Prerna Gaur, Vikas Kumar and A.P. Mittal, “Finite-state model predictive control of NPC inverter using multi-criteria fuzzy decision-making,” International Transactions on Electrical Energy Systems, Systems, Wiley, 2014, ISSN-2050-7038, DOI:10.1002/etep.1880.Wiley publishers, 2013. Impact Factor:0.631

Anil Kumar Yadav and Prerna Gaur, “Intelligent Modified Internal Model Control for Speed Control of Nonlinear Uncertain Heavy Duty Vehicles,” ISA Transactions, Elsevier, 2014, <http://dx.doi.org/10.1016/j.isatra.2014.12.001>, (Impact Factor = 2.256), (ISSN: 0019-0578)

Vikas Kumar, Prerna Gaur and A.P. Mittal, “NN based self tuned PID like robust controller design for high performance servo control,” accepted for publication in Expert System with Applications (ESWA) Elsevier, DOI: 10.1016/J.eswa.2014.06.040. Impact Factor:1.965.

Vikas Kumar, Prerna Gaur and A.P. Mittal, “Predictive torque and flux control of an induction machine drive using fuzzy multi-criteria decision making,” Under Review: ISA Transactions, Elsevier 2014.

Vilas Haridas Gaidhane, Yogesh V. Hote and Vijander Singh, A computationally efficient approach for template matching based image registration, Sadhana-Academy Proceedings in Engineering and Sciences, (Springer), vol.39, no.2 (2014), pp.317-331.

Vilas H. Gaidhane, Yogesh V. Hote and Vijander Singh, "An efficient approach for face recognition based on common eigenvalues" Pattern recognition of Elsevier Science, vol. 47, issue 5, May 2014, Pages 1869-1879.

Jyoti Yadav, Asha Rani, Vijander Singh, Bhaskar Mohan Murari, Prospects and limitations of non-invasive blood glucose monitoring using Near-infrared Spectroscopy accepted in Biomedical Signal Processing and Control, Elsevier Science, DOI:10.1016/j.bspc.2015.01.005.

Amit Kr. Yadav, Hasmat Malik, S.S. Chandel, "Selection of most relevant input parameters using WEKA for artificial neural network based solar radiation prediction models" in Elsevier/ScienceDirect International Journal of Renewable and Sustainable Energy Reviews, Volume 31, March, 2014, pp 509-519.

M.Gupta, S. Srivastava, J.R.P. Gupta, "A Novel Controller for Model with Combined LFC and AVR Loops of single Area Power System," Journal of Institution of Engineers (India): series B, Springer, 2014.

Conferences Organized /Attended

International Conference on Advances in Computer Engineering and Applications – 2015 19th-20th March, 2015

First IEEE Uttar Pradesh Conference International Conference on Energy Economics and Environment, 1st UPCON-ICEEE-2015, March 26-28, 2015.

6th IEEE India International Conference on Power Electronics IICPE-2014 8th-10th December, 2014, National Institute of Technology Kurukshetra, India.

6th IEEE POWER INDIA International Conference 2014, December 5th-7th, 2014, Le Meridien, New Delhi/ Delhi Technological University, Delhi, India, (Co-sponsored by IEEE PES-IAS Delhi Chapter, & IEEE PELS-IES Delhi Chapter.

Number of Permanent Faculty members: 18

Number of National and International Journals subscribed: IEEE Transactions, Springer, Elsevier, Acta Press-Almost all the journals more than 500 in numbers.

MECHANICAL ENGINEERING

Publications- 31

R.S. Mishra 2015 "Use of eco-friendly low temperature circuit in terms of first law and second law efficiency of three stages cascade refrigeration system for biomedical applications" Nature and Environment: An International Journal, ISSN (print): 2321-810X & ISSN (on line): 2321-8738, Vol-20, No. 1, pp.23-32

R.S. Mishra 2015 "Methods for improving thermodynamic performance of vapour compression refrigeration systems using thirteen eco-friendly refrigerant refrigerants in primary circuit and TiO₂ nano particles mixed with R-718 used in secondary evaporator circuit for reducing global warming and ozone depletion" Nature and Environment: An International Journal, ISSN (print): 2321-810X & ISSN (on line): 2321-8738, Vol-20, No.1, pp.53-57

Kapil Chopra, V. Sahni and R.S. Mishra 2015 "Sustainability analysis of eight eco-friendly refrigerants two stage vapour compression refrigeration system using energy-exergy performance" Nature and Environment: An International Journal, ISSN (print): 2321-810X & ISSN (on line): 2321-8738, Vol-20, No. 1, pp. 37-44

R.S. Mishra 2015 “Performance evaluation of eco-friendly refrigerants in the low temperature circuit in terms of first law and second law efficiency of three stages cascade vapour compression refrigeration of biomedical applications” International Journal of Advance Research & Innovations (IJARI-ME-103), ISSN No: 2347-3258, Vol-3, Issue-1, pp. 40-48

R.S. Mishra 2015 “Optimization of vapour compression refrigeration systems using mixing of nano materials” International Journal of Advance Research & Innovations (IJARI-ME 15-3-105), ISSN No: 2347-3258, Vol-3, Issue-1, pp. 41-44

R.S. Mishra 2015 “Thermal analysis and optimization of two stages vapour compression refrigeration systems using sixteen eco-friendly refrigerants” International Journal of Advance Research & Innovations (IJAR-ME 15-3-107), ISSN No: 2347-3258, Vol-1, Issue-2, pp. 88-93

Kapil Chopra, V. Sahni and R.S. Mishra 2015 “Methods for improving thermal performance of three stages vapour compression refrigeration systems with flash intercooler using energy exergy analysis of eight eco-friendly refrigerants” International Journal of Advance Research & Innovations (IJARI-ME-15-3-109) ISSN No: 2347-3258, Vol-3, Issue-1, pp. 94-102

R.S. Mishra 2014 “Methods for improving exergetic efficiency of multiple evaporators, single compressor, single expansion valve in vapour compression refrigeration systems using thirteen eco-friendly refrigerants for reducing global warming and ozone depletion” International Journal of Latest Research in Science and Technology, Vol-3, Issue-2, ISSN No: 2347-6176, pp. 191-196

R.S. Mishra 2014 “Performance optimization of four stage cascade refrigeration systems using energy-exergy analysis in the R1234ze & R1234yf in high temperature circuit and eco-friendly refrigerants in intermediate circuits and ethane in the low temperature circuit for food, pharmaceutical, chemical Industries” International Journal of Advance Research and Innovations (IJARI-ME-14-12-102), ISSN No: 2347-3258, Vol-2, Issue-4, pp.701-709

R.S. Mishra, S.S. Kachhwaha 2014 “Thermodynamic irreversibilities analysis of industrial ice plant” International Journal of Advance Research & Innovations (IJARI-ME-14-12-104), Vol-2, Issue-4, ISSN No: 2347-3258, pp. 710-716

R.S. Mishra 2014 “Use of hydrocarbons in low temperature circuit in terms of first law and second law efficiency of four stage cascade refrigeration of semen preservation” International Journal of Advance Research & Innovation (IJARI-ME-14-12-106), Vol-2, Issue-4, ISSN No: 2347-3258, pp. 725-731

R.S. Mishra 2014 “Methods for improving thermodynamic performance of vapour compression refrigeration systems using thirteen eco-friendly refrigerants in primary circuit and TiO₂ nano particles mixed with R-718 used in secondary evaporator circuit for reducing global warming and ozone depletion” International Journal of Advance Research & Innovations” (IJARI-ME-14-12-111), Vol-2, Issue-4, ISSN No: 2347-3258, pp. 732-735

R.S. Mishra 2014 “Methods for improving thermodynamic performance of vapour compression refrigeration systems using R134a eco-friendly refrigerant in primary circuit and three nano particles mixed with R718 used in secondary evaporator circuit for reducing global warming and ozone depletion (IJARI-ME-14-12-109) Vol-2, Issue-4, ISSN No: 2347-3258, pp. 784-789

R.S. Mishra 2014 “Appropriate vapour compression refrigeration technologies for sustainable development” International Journal of Advance Research & Innovations (IJARI-ME-14-09-103), ISSN No: 2347-3258, pp. 551-556

Kaushalendra K. Dubey, Dr. Gopal, P. Sinha and R.S. Mishra 2014 “Thermodynamic analysis of solar thermal siphon pumping system” International Journal of Advance Research & Innovations (IJARI-ME-14-09-107), ISSN No: 2347-3258, Vol-2, No-3, pp. 568-573

Abhishek Ateriya, Amit Pal., R.S. Mishra 2014 “Emission analysis of cottonseed biodiesel by taguchi Method” International Journal of Advance Research & Innovation (IJARI-ME-14-06-110) ISSN No: 2347-3258, pp. 586-591

Devender Kumar and R.S. Mishra 2015 “Thermo analysis of hydrogen liquefaction system” International Journal of Advance Research & Innovations (IJARI-ME-15-3-111) Vol-3, Issue-1, ISSN No: 2347-3258, pp.118-120

Devendra Kumar and R.S. Mishra 2015 “Thermodynamic-energy-exergy analysis of a low pressure kapitza claudé system for liquefaction of gases” International Journal of Advance Research & Innovations (IJARI-ME-15-3-112), ISSN No: 2347-3258, Vol-3, Issue-1, pp. 121-123

Devender Kumar and R.S. Mishra 2014 “Energy-exergy analysis of a high pressure claudé haylent system for liquefaction of gases” International Journal of Advance Research & Innovations (IJARI-ME-14-9-109), ISSN No: 2347-3258, Vol-3, Issue-2, pp. 578-581

Devender Kumar and R.S. Mishra (2014) “Method for improving thermal performance of dual pressure lined system for liquefaction of gases using energy-exergy analysis for reducing global warming and ozone depletion” International Research Journal of Sustainable Science and Engineering (IRJSSE) Vol-2, No-4, ISSN No: 2347-6176

Devendra Kumar and R.S. Mishra 2014 “Second law analysis of helium liquefaction system for the optimization” International Research Journal of Sustainable Science and Engineering (IRJSSE) Vol-2, No-5, ISSN No: 2347-6176

R.S. Mishra 2014 “Thermodynamic performance evaluation of multi-evaporators single compressor and single expansion valve and liquid vapour heat exchanger in vapour compression refrigeration systems using thirteen eco-friendly refrigerants for reducing global warming and ozone depletion” International Journal of Advance Research & Innovations (IJARI-ME-14-06-104), ISSN No: 2347-3258, pp. 325-332

R.S. Mishra 2014 “Evaluation of thermal performance of low cost plastic collectors for rural applications” International Journal of Advance Research & Innovations (IJARI-Vol-1), ISSN No: 2347-3258, pp. 333-336

R.S. Mishra 2014 “Performance evaluation of vapour compression refrigeration system using eco-friendly refrigerants in primary circuit and nanofluid (Water-nano particles based) in secondary circuit” International Journal of Advance Research & Innovations (IJARI-ME-14-06-108), Vol-2, No-2, pp. 350-362

Kaushalendra Kumar Dubey and R.S. Mishra 2014 “A review on properties of phase change materials for solar thermal storage systems” International Conference of Advance Research and Innovations (IJARI-ME-14-02-107), ISSN No: 2347-3258, Vol-2, No-2, pp. 342-349

Kapil Chopra, V. Sahni and R.S. Mishra 2015 “Energetic and exergetic based comparison multiple evaporators with compound compression and flash intercooler with individual or multiple throttle valves” International Journal of Advance Research & Innovations (IJARI-ME-14-03-106), ISSN No: 2347-3258, Vol-3, No-2, pp. 94-102

Rahul Kumar Jaiswal, R.S. Mishra 2014 “Performance evaluation of vapour compression refrigeration system using eco-friendly refrigerant and nano fluid (water-nano particles based) in secondary circuit” International Research Journal of Sustainable Science and Engineering (IRJSSE) Vol-2, No-5, ISSN No: 2347-6176

R.S. Mishra 2014 “Methods for improving first and second law efficiencies of vapour compression refrigeration systems using flash-intercooler with eco-friendly refrigerants” IJARI, Vol-1, ISSN No: 2347-3258, pp. 172-179

Vishav Kamal and R.S. Mishra 2014 “Computer simulation of trombe wall for porous and non porous structures” International Journal of Advance Research and Innovations (IJARI), ISSN No: 2347-3258, Vol-2, Issue-2, pp.151-162

R.S. Mishra 2014 “Thermodynamic performance evaluation of multiple evaporators, single compressor, single expansion valve and liquid vapour heat exchanger in vapour compression refrigeration systems using thirteen eco-friendly refrigerants for reducing global warming and ozone depletion” International Research Journal of Sustainable Science & Engineering (IRJSSE), Vol-2, ISSN No: 2347-6176, pp. 1-10

R.S. Mishra 2014 Thermodynamic performance evaluation of multiple evaporators, multiple compressor, multiple expansion valve and in vapour compression refrigeration systems using thirteen eco-friendly refrigerants for reducing global warming and ozone depletion” International Journal of Advance Research & Innovations (IJARI-Vol-2), ISSN No: 2347-3258, pp. 163-171

Research Papers Presented

International Conferences- 10

National Conference- 01

Guest of Honour in the International conference of Advance Research and Innovations (ICARI-2015) and also chairman of Technical session-I at The Institution of Engineers Delhi State Centre on 31-01-2015

Guest of Honour in National conference at SD college of Engineering, Mujaffarnagar UP and also chaired technical session (I) on 27-28th March 2015

Plenary Lecture “Energy-exergy analysis of vapour compression refrigeration system using eco-friendly refrigerants for reducing global warming and ozone depletion” (PL-1) in the International Conference (TIMS-15) on climate change and Sustainable Management of Natural Resources at ITM University Gwalior on 9-11 Feb, 2015, pp. 4-5

Ph.D. Degrees Awarded- 02

ELECTRONICS AND COMMUNICATION ENGINEERING

Inter Institutional Collaboration

Collaboration with ‘Texas Instruments Ltd.’

Publications- 14

Jyotsna Singh, Parul Garg and Alok Nath De 2014 “Multiplicative watermarking of audio in DFT magnitude,” Springer Multimedia Tools and Applications, Vol. 71, No. 3, pp. 1431-1453

Prabhat Kumar Sharma and Parul Garg 2014 “Performance analysis of full duplex decode-and-forward cooperative relaying over Nakagami-m fading channels” Wiley Transactions on Emerging Telecommunications Technologies, Vol. 25, No. 9, pp. 905-913

Prabhat Kumar Sharma and Parul Garg, “Coded cooperation: Generalized outage analysis,” IET Communication, vol. 8, no. 6, pp. 972-979, April 17, 2014.

Prabhat Kumar Sharma and Parul Garg “Achieving high data rates through full duplex relaying,” accepted for publication in Wiley Transactions on Emerging Telecommunications Technologies.

Parul Puri, Parul Garg and Mona Aggarwal “Analysis of spectrally efficient TWR assisted FSO systems in atmosphere turbulence with path loss” accepted for publication in Wiley International Journal of Communication Systems.

Mona Aggarwal, Parul Garg and Parul Puri, “Dual-hop optical wireless relaying over turbulence channels with pointing error impairments,” IEEE/OSA Journal of Lightwave Technology, vol. 32, no. 9, pp. 1821-1828, May 2014.

Parul Puri, Parul Garg and Mona Aggarwal, “Outage and error rate analysis of network coded coherent TWR-FSO systems,” IEEE Photonics Technology Letters, vol. 26, no. 18, pp. 1797-1800, September 15, 2014.

Prabhat Kumar Sharma and Parul Garg, “Bi-directional decode-XOR-forward relaying over M-Distributed free space optical links,” IEEE Photonics Technology Letters, vol. 26, no. 19, pp. 1916-1919, October 1, 2014.

Mona Aggarwal, Parul Garg and Parul Puri, “Analysis of SIM based optical wireless DF relaying over turbulence channels with path-loss and pointing error impairments,” accepted for publication in IET Communications.

Prabhat Kumar Sharma, Ankur Bansal and Parul Garg, “Relay assisted bi-directional communication in generalized turbulence fading,” accepted for publication in IEEE/OSA Journal of Lightwave Technology.

Mona Aggarwal, Parul Garg and Parul Puri, “Exact MGF based performance analysis of dual-hop AF relayed optical wireless communication systems,” accepted for publication in IEEE/OSA Journal of Lightwave Technology.

Mona Aggarwal, Parul Garg and Parul Puri, “Exact capacity of amplify and forward relayed optical wireless communication systems,” accepted for publication in IEEE Photonics Technology Letters.

Mona Aggarwal, Parul Garg and Parul Puri, “Ergodic capacity of SIM based DF relayed optical wireless communication systems,” accepted for publication in IEEE Photonics Technology Letters.

Parul Puri, Parul Garg and Mona Aggarwal, “Asymptotic analysis of TWR assisted FSO links with partial dual-relay selection,” accepted for publication in IEEE Communication Letters.

Conferences

Mona Aggarwal, Parul Garg, Parul Puri and Prabhat K. Sharma, “Performance analysis of optical wireless communication system with a decode and forward relay,” Proceedings of International conference on Signal Processing and Integrated Network (SPIN), Noida, Uttar Pradesh, February 20-21, 2014.

Mona Aggarwal, Parul Garg and Parul Puri, “Study of dual-hop urban optical wireless communication (UOWC) systems with amplify and forward relay,” Proceedings of National Conference on Communications (NCC), IIT Kanpur, Kanpur, India, February 28- 2 March 2014.

Prabhat K. Sharma and Parul Garg, “Outage analysis of full duplex coded cooperation,” Proceedings of National Conference on Communication (NCC), IIT Kanpur, Kanpur, India, February 28- 2 March 2014.

Parul Puri, Parul Garg, Mona Aggarwal and Prabhat K. Sharma, “Multiple user pair scheduling in bi-directional single relay assisted FSO systems,” Proceedings of IEEE International Conference on Communications (ICC), Sydney, Australia, June 10-14 2014.

Parul Puri, Parul Garg, Mona Aggarwal and Prabhat K. Sharma, "Multiple user pair scheduling in TWR-FSO systems in presence of building sway," Proceedings of International Conference on Signal Processing and Communication (SPCOM), IISc Bangalore, India, July 22-25 2014.

Mona Aggarwal, Parul Garg and Parul Puri, "A novel MGF-based approach to analyze SIM-based relayed FSO systems," Proceedings of International Conference on Advances in Computing, Communications and Informatics (ICACCI), GCET, Greater Noida, India, September 24-27, 2014.

Gaurav Sharma, Prabhat K. Sharma and Parul Garg, "Performance analysis of full duplex relaying in multicell environment," Proceedings of International Conference on Advances in computing, Communications and Informatics (ICACCI), GCET, Greater Noida, India, September 24-27, 2014.

Ankit Gupta, Samarth Mathur, Neelesh Singhal, Prabhat K. Sharma and Parul Garg, "Outage analysis of full duplex relaying with two decode-and-forward relays," Proceedings of IEEE INDICON, Pune, India, December 11-13, 2014.

Nikhil Sharma, Ankur Bansal and Parul Garg, "On the performance of selective transmission based DF FSO system with generalized M-Distributed turbulence," Proceedings of IEEE INDICON, Pune, India, December 11-13, 2014.

Ankita Gupta, Prabhat Kumar Sharma, Parul Garg and Gaurav Sharma, "Outage Analysis of Free Space Optical Coded Cooperation in Weak Atmospheric Turbulence," Proceedings of International conference on Signal Processing and Integrated Network (SPIN), Noida, Uttar Pradesh, February 19-21 2015.

Prabhat Kumar Sharma, Parul Garg and Gaurav Sharma, "The BER Analysis of the High Altitude Platforms Assisted Long Range Cooperative Communication," Proceedings of International conference on Signal Processing and Integrated Network (SPIN), Noida, Uttar Pradesh, February 19-21, 2015.

Dr. Tarun Kumar Rawat

Book

Tarun Kumar Rawat, Digital Signal Processing, Oxford University Press, December- 2014.

Journal Papers:

Manjeet Kumar, and Tarun Kumar Rawat, "On the Designing of Fractional Order FIR Differentiator Using Radial Basis Function and Window," WSEAS Transactions on Signal Processing, E-ISSN: 2224-3488, Vol.-10, pp.838-543, 2014.

Manjeet Kumar and Tarun Kumar Rawat, "Optimal Design of FIR Fractional order Differentiator using Cuckoo Search Algorithm," Expert System with Applications; An International Journal, Elsevier, Vol.-42, pp.3433-3449, 2015.

Conference papers:

Kamini Upadhyay, Manjeet Kumar and Tarun Kumar Rawat, "Optimal Design of weighted least square based fractional delay FIR filter using genetic algorithm", International Conference on Signal Propagation and Computer Technology (ICSPCT), pp. 53-58, August 2014.

Shailey Khare, Manjeet Kumar and Tarun Kumar Rawat, "Window Based Design of Fractional Order FIR Digital Differentiator using Type- III Discrete Cosine Transform", International Conference on Signal Propagation and Computer Technology (ICSPCT), pp. 39-43, August, 2014.

Apoorva Agarwal, Manjeet Kumar and Tarun Kumar Rawat, "L1 Error Criterion Based Optimal FIR Filters," 2014 Annual IEEE India Conference (INDICON), DOI: 10.1109/INDICON.2014.7030639, Page(s):1-6.

Prof. Harish Parthasarathy, "Antenna and wave propagation", ANE books publications, 2015.

Prabhat Kumar Sharma, Ankur Bansal and Parul Garg, "Relay Assisted Bi-directional Communication in Generalized Turbulence Fading", in IEEE Journal of Lightwave Technology, vol. 33, no. 1, pp. 133-139, Jan. 2015.

Nikhil Sharma, Ankur Bansal and Parul Garg, "On the Performance of Selective Transmission Based DF FSO System with Generalized M-Distributed Turbulence" in IEEE INDICON 2014, pp. 1-6, Pune, India, Dec. 2014.

Ankur Bansal, Prabhat Kumar Sharma and Manav R. Bhatnagar, "DF Cooperation Over Gamma-Gamma Fading FSO Links with an Erroneous Relay", in IEEE ICC 2015, pp. 1-6, London, UK, Jun. 2015.

Research Publications

S.No	Name of Authors	Title of Paper	Name of the Journal	Vol. No., Pages, Months, Year	Refereed or Not
1.	Madhu Jain, Maneesha Gupta and Nitin Jain	Design of IIR Differintegrator and its Application in Edge Detection	Journal of Information Processing Systems	Vol. 10, no. 20, pp 223-239, 2014	Yes
2.	Richa Srivastava, Maneesha Gupta, Urvashi Singh	Low Voltage Floating Gate MOS Transistor based Four-Quadrant Multiplier	Radio Engineering	Vol.23, no. 4, Dec 2014, pp. 1150-1160.	Yes
3.	Madhu Jain, Maneesha Gupta and Nitin Jain	Design of Half Sample Delay Recursive Digital Integrators using Trapezoidal Integration Rule	International Journal of Signal and Imaging Systems Engineering, Inderscience	Paper Accepted (2014)	Yes
4.	Bhawana Aggarwal, Maneesha Gupta, Anil Kumar Gupta and Sahil Bansal	A very high performance CMOS current mirror	Analog Integrated and signal processing Springer	Vol.81, issue 2, pp. 367-375. Nov 2014	Yes
5.	Neeta Pandey, Kirti Gupta and Maneesha Gupta	An Efficient triple-tail cell based PFSCLD Latch	Microelectronics Journal, Elsevier	Vol. 45, pp. 1001-1007, Aug 2014	Yes
6.	Maneesha Gupta, Bhavesh Relan, Richa Yadav, Varun Aggarwal	Wide Band Digital Integrators and Differentiators Designed using Particle Swarm Optimization	IET Signal Processing	Vol. 8, issue 6, pp. 668-679, Aug. 2014	Yes

7.	Richa Yadav, Maneesha Gupta	Design of Fractional Order Integrators and Differentiators using Novel Rational Approximations	International Journal of Circuits and Architecture Design (IJCAD)	Vol. 1, No. 2, 2014	Yes
8.	Richa Srivastava, Maneesha Gupta, Urvashi Singh	Low voltage FG MOS squarer/divider based analog building blocks	International journal of Electronics, Taylor and Francis	Published online: 29 Apr 2014; DOI:10.1080/00207217.2014.905996, vol 102, issue 4, pp. 563-581,2015	Yes
9.	Richa Yadav, Maneesha Gupta	New Improved Fractional Order Integrators using PSO Optimization	International journal of Electronics, Taylor and Francis	Published online: 03 May 2014; DOI:10.1080/00207217.2014.901424, vol 102, issue 3, pp. 490-499, 2015.	Yes

Papers Presented in Conferences/Workshop/Symposium

S.No.	Name of the authors	Title/Subject of paper	Title/Subject of conference/seminar s/ workshop	Organizing Institution	Type of Conference/ Seminar/ Workshop
1.	Radhika, Neeta Pandey, Kirti Gupta and Maneesha Gupta	Low power D Latch design using MCML tri-state buffer	IEEE International conference on signal processing and Integrated network-2014	Greater Noida, India	International
2.	Maneesha Gupta, Richa Srivastava and Urvashi Singh	Low voltage high performance FG MOS based Wilson current Mirror	IEEE International conference on signal processing and Integrated network-2014	Greater Noida, India	International

Faculty Strength : 15

DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING

Department of Production has been started in 1991. The Department has organised Faculty Development Programme on 'Automation in Manufacturing (AIM)' under the partnership of Prof. R.S. Mishra. 1067 faculty members from all over India participated in this programme and it was highly appreciated by all. In this programme, Prof. R.S. Mishra delivered lecture on 'Friction Stir Processing and Friction Stir Belding'. The coordinator honoured Prof. R.S. Mishra and chief guest, Prof. S.K. Garg.

Publications- 16

R.S. Mishra and Ashok Kumar Madan 2014 “Total quality management in technical educational system” International Journal of Advance Research & Innovations, ISSN No: 2347-3258, Vol-2, Issue-4, pp. 717-724

Vipin, R.S. Mishra, Ranganath M.S. 2014 “Optimization of machining cost and time in heavy machining Operations” International Journal of Advance Research & Innovations, ISSN No: 2347-3258, Vol-2, Issue-3, pp. 688-691

V. Jeganathan Arulmoni, Ranganath M.S., R.S. Mishra 2014 “Effect of process parameters on friction stir processed copper and enhancement of mechanical properties of the composite material: A review on green process technology” International Research Journal of sustainable science and Engineering (IRJSSE) Vol-2, No-4, ISSN No: 2347-6176

V. Jeganathan Arulmoni and R.S. Mishra 2014 “Friction Stir processing of aluminium alloys for defence applications ” International Conference of Advance Research and Innovations (IJARI-ME-2-113) ,Vol-1 , ISSN No: 2347-3258, pp. 78-185

V. Jeganathan Arulmoni and R.S. Mishra, Ranganath M.S. 2014 “Experimental investigations on friction stir processed copper and enhancement of mechanical properties of the composite material” International Journal of Advance Research and Innovations (IJARI) Vol-2, Issue-3 , ISSN No: 2347-3258, pp. 557-563

V. Jeganathan Arulmoni and R.S. Mishra, Ranganath M.S. 2014 “Effect of single and multiple pass friction stir processing on microstructure, hardness and tensile properties of a 99.99% Cu with nano carbon tubes” International Journal of Advance Research and Innovations (IJARI) , Vol-3, Issue-1 , ISSN No: 2347-3258, pp. 189-196

Shailendra Kumar Gaur, R.S. Mishra 2014 “Modeling and simulation of nano film thickness of gold deposited by thermal evaporation process (TEP) mixing” International Journal of Advance Research & Innovations (IJARI) ISSN No: 2347-3258, Vol-2, Issue-2, pp. 505-510

Shailendra Kumar Gaur, R.S. Mishra 2014 “Modeling of inductively heated copper cylinder with water cooling based on turbulent flow and instantaneous mixing” International Journal of Advance Research & Innovations (IJARI) ISSN No: 2347-3258, Vol-2, Issue-3, pp. 582-585

R.S. Mishra, Shailender Kumar Gaur 2015 “Thermal evaporation- modelling and microstructure studies of indium and tin deposition” International Journal of Advance Research & Innovations (IJARI) ISSN No: 2347-3258, Vol-3, Issue-1, pp. 207-215

Ranganath M.S., Vipin and R.S. Mishra 2014 “Optimization of surface roughness and material removal rate on the conventional Dry turning of aluminium (6061)” International Journal of Advance Research & Innovations (IJARI –ME-14-3-110), Vol-1, ISSN No: 2347-3258, pp. 75-86

M.S. Ranganath, Vipin, R.S. Mishra, Prateek, Nikhil 2014 “Optimization of surface roughness in CNC turning of aluminium 6061 using taguchi techniques” International Journal of Modern Engineering Research (IJMER) , Vol. 5, Issue 1, pp. 49-58

M.S. Ranganath, Vipin and R.S. Mishra 2015 “Optimization of process parameters in turning operation of aluminium (6061) with cemented carbide inserts using taguchi method and anova” International Journal of Advance Research & Innovations” (IJARI), Vol-3, ISSN No: 2347-3258, pp. 13-21

Ranganath M.S., Vipin and R.S. Mishra 2015 “Application of ANN for prediction of surface roughness in turning process: A review” International Journal of Advance Research & Innovations (IJARI) Vol-3, ISSN No: 2347-3258, pp. 226-233

Ranganath M.S., Vipin and R.S. Mishra 2015 “Neural network process modelling for prediction of surface roughness in turning of aluminium (6061) using cemented carbide inserts” International Journal of Advance Research & Innovations (IJARI) Vol-3, ISSN No: 2347-3258, pp. 204-215

Ranganath M.S., Vipin and R.S. Mishra 2014 “Optimization of surface roughness and material removal rate on the conventional Dry turning of aluminium (6061)” International Journal of Advance Research & Innovations (IJARI) Vol-1, ISSN No: 2347-3258, pp. 62-71

Conferences Attended and Research Papers Presented

International Conferences- 10

National Conferences- 01

Honours & Awards

Prof. (Dr) R.S. Mishra was Guest of Honor in the “International conference on Advance Research and Innovations (ICARI-2015)” and also, in “National conference at S.D. college of Engineering”, Mujaffarnagar (UP). He delivered a talk on “Make India as a green country by using sustainable technologies” and also Chaired Technical session –I in “International conference (ICARI-2015)” at The Institution of Engineers, Delhi State Centre on 31-January-2015

Plenary Lecture (PL-1) “Energy-exergy analysis of vapour compression refrigeration system using eco-friendly refrigerants for reducing global warming and ozone depletion” in the ‘International Conference (TIMS-15) on Climate change and Sustainable Management of Natural Resources’ at ITM University Gwalior on 9-11 Feb 2015

Presented paper (CP-58) in technical session-4 on “Second law performance of eco-friendly refrigerants in appropriate refrigeration system for reducing global warming and ozone depletion.

Ph.D. Degree Awarded- 01

FACULTY OF MUSIC AND FINE ARTS

MUSIC

Activities and Achievements

The Department organized “Malhar Utsav”, a two-day concert series organized every year to celebrate the spirit and joy of the rainy season. This year, for the very first time, it was organized at the Convention Centre, Vice Regal Lodge, University of Delhi on 28-29 August 2014, with Prof. Dinesh Singh, Vice Chancellor, University of Delhi, as the Chief Guest. The Department organized the Sadhyayan baithak Music concert in October 2014, the Annual Inter-class Music Competition from 17-19 December 2014, and the Annual Basant Panchami Festival on 24 January 2015. A two-day International seminar titled – “The Global Impact of Modern Trends on Traditional Music”, in collaboration with the Indian Council for Cultural Relations (ICCR), was organized on 19-20 March, 2015 at the Sir Shankar Lal Concert Hall, University of Delhi, with Prof. Dinesh Singh as the Chief Guest.

Conference Organized/Attended

Prof. Uma Garg: National Programme of Doordarshan Telecast on 07.06.2014.

Prof. Anupam Mahajan: Attended as speaker in category of Expert in UGC Research Seminar, Rabindra Bharti University, 15th-17th September, 2015.

Prof. Prateek Chaudhuri: Paper presented in Seminar titled-“Tradition, Creativity and Innovation in Indian Classical Instrumental Music” held in HMV College Jalandhar on 07.02.2015.

Dr. Rishitosh Kumar: organized 2 day “National Musical Festival” at India Habitat Centre on 15th-16th November, 2015.

Seminar/Symposia

A two day Malhar Utsav “Malhar Festival” of Department of Music was held on 28th & 29th August, 2014 at Convention Hall, Vice-Regal Lodge, University of Delhi, Delhi. This festival will be based totally on ragas of Rainy Season. During this festival, students get the opportunity to understand that how these seasonal “Ragas & Swara” are being treated in various traditions (Gharanas). The event was inaugurated by Prof. Dinesh Singh, Vice-Chancellor, University of Delhi, Delhi.

Sadhyayan: This is a baithak (seated on the floor) style of concert organized from time to time in order to promote young and promising students from within the department, so as to give them a platform to showcase their talent in the league of established artistes of national standing. This concert was held four times a year.

The Department of Music holds a function of Basant Panchmi called “Vasantotsav” on 24.01.2015. This function is based totally on ragas of Basant Season and Pushpanjali of Maa Saraswati. During this festival, students get the opportunity to understand the culture and traditions. Prof. Dinesh Singh, Vice Chancellor, University of Delhi, Delhi was the Chief Guest of this function.

The two day International Seminar entitled “The Global Impact of Modern Trends on Traditional Music” was held on 19th & 20th March, 2015 at Sir Shankar Lal Hall, University of Delhi. Veteran, Musicians, Eminent scholars, University teachers and researchers from all over India and abroad participated in the seminar.

The seminar/event was inaugurated by lighting the ceremonial lamp by Prof. Dinesh Singh, Vice-Chancellor, University of Delhi, Guest of Honour Sh. Sunil Mehendiratta, Director, I.C.C.R. and Prof. Uma Garg, Dean and Head, Faculty of Music & Fine Arts. The Key note address was delivered by Sh. Jawahar Sircar, Chief Executive Officer, Prasar Bharti.

Publications

Departmental Annual Journal “Vaageshwari”, Vol. XXVII, ISSN: 0975-7872, 2014-2015.

Research Paper & Articles: 13

Proceedings of the Seminar in Departmental Bi-Annual Journal “ Vaageshwari”, Vol. XXVIII, ISSN: 0975-7872, 2014-2015.

Proceeding Items - Research Paper & Articles: 27

We have our own Music Library in which we have:

Books & Journals: 13,800 approx.

Number of Ph.D/M. Phil. Degrees Awarded:

Ph.D. - 19

M. Phil. - 16

Faculty Strength: Permanent - 22; Ad hoc - 7

Number of national journals subscribed (online + paperback version) : 3

Other Significant Information

The Department has published monthly journal-Sangeet & Sangeet Kala Vihar and Quaterly Journal-Sangna.

Commenced a Short Term Advance Course in Thumri-Dadra (6 months)

Started a Short Term Advance Course in Post Pallavi compositions (6 months)

FACULTY OF APPLIED SOCIAL SCIENCE AND HUMANITIES

BUSINESS ECONOMICS

Honours/Distinctions

Prof. Suresh Chand Aggarwal awarded Dewang Mehta Business School Award for Best Professor in Economics in 2014.

Prof. V.K.Kaul - Member of expert committee constituted to suggest measures to stream line affiliation process of self financed institutions affiliated to Guru Gobind Singh Indraprastha University Delhi 2014

Research grants/other projects

Suresh Aggarwal--Principal Investigator, E-Pathshala- Content Development for PG in Business Economics, by UGC. Allocated Amount: Rs1.12 crores.

Surender Kumar—Principal Investigator, Embodied Carbon Trade and Trade Resistances: Evidence from South Asian Countries, Sponsor: South Asian Network of Development and Environment Economics. Allocated Amount: Rs. 10 lakhs.

Yamini Gupt—Co-Principal Investigator, Modeling Studies on Greenhouse Gas Emission and Emission Intensity of Indian Economy, Ministry of Environment, Forests and Climate Change. Allocated Amount: Rs. 43.25 lakhs.

Publications

Dastidar, A.G. and S. Sikdar (2015).“Occupation Choices of High School and College Students with special reference to Teaching”.*Policy Futures in Education (special issue on Indian Education)* Vol.13 (No.3).

Gupt., Yamini., and Mendiratta, Preeti (2015) Private Returns to Education in India by Gender and Location: A Pseudo-Panel Approach. *Arthaniti*, 12 (1-2)

Gupt., Yamini., and Dalei, N.N. (2014) Livelihood Sustainability of Forest Dependent Communities in a Mine-spoiled Area. *International Journal of Ecological Economics and Statistics*, Vol.35, no. 4

Gupt, Yamini. "Economic instruments and the efficient recycling of batteries in Delhi and the National Capital Region of India." *Environment and Development Economics*, Available on CJO 2014 doi :10.1017/S1355770X14000382

Kaul, V.K., (2014) Innovation Revolution: Harnessing India's Diversity, Yojna

Kumar, S., and Yalaw, A. W., (2014) 'Assessing Sustainability of BASIC: A Comprehensive Wealth Perspective' *The Journal of Income and Wealth*, Vol. 36, no. 1

Kumar, S. (2015) 'Does Modernization Improve Performance: Evidence from Indian Police' *European Journal of Law and Economics*_vol 39.

Conferences Organized

Annual Convention on "Business of Economics and Economics of Business" held on 29.9.2014 at India Habitat Centre, New Delhi.

Conferences Attended

Aggarwal, Suresh. "Quality of Life: Issues and challenges in Measurement" a paper presented in the IARIW-OECD Special Conference on "W(h)ither the SNA?" held in Paris, April 16-17, 2015.

Aggarwal, Suresh. "Measuring Labour Quality in Market Services in India" a paper along with Deb Kusum Das presented in the IARIW for its 33rd General Conference held in Rotterdam, Netherlands on August 24-30, 2014

Aggarwal, Suresh. "Productivity Growth in India under Different Policy Regimes: 1980-2012" a paper along with Deb Kusum Das and Abdul A Erumbum presented at World KLEMS conference, Tokyo 19-20 May 2014.

Gupt, Yamini. "Policy Measures and Incentives for Green Recycling of Lead in India" Invited Paper, International Conference on Lead and Lead Batteries—towards Sustainable Development, ILZDA, , The Lalit, New Delhi 28-29 July 2014.

Dastidar, A.G. "Occupation Choices of High School and College Students : Does Socio-Economic Background Matter? (co-author Soumyen Sikdar), presented at Fifth International Conference of the Comparative Education Society of India (CESI) 2014, held at Conference Centre, University of Delhi, New Delhi, 18th November, 2014.

Faculty Strength: Permanent – 8; Ad hoc -1

SLAVONIC & FINNO-UGRIAN STUDIES

Activities and Achievements

The Department of Slavonic and Finno-Ugrian Studies is the only Department in India which offers courses in Slavonic languages namely Bulgarian, Croatian, Czech, Polish, Russian and Hungarian from the Finno-Ugrian group of languages. The joining of European Union by the erstwhile Soviet bloc has opened new avenues for these languages and increased their demand in the modern globalized world.

Honours/Distinctions

Dr. Rashmi Joshi awarded “The Golden Laurel” award by the Government of Bulgaria for her contribution to Bulgarian Studies.

Dr. Neelakshi Suryanarayan received Certificate of Honour for her contribution in teaching Russian Language and Literature in India by the Russkii Mir Foundation and Russian Centre for Science and Culture, New Delhi in June, 2014

Dr. Girish Munjal and Mr. Ravinder Singh received the First and second prize respectively in “Special Nomination for Original and Innovative Teaching Methodology” at The World Competition of the Best Teacher of Russian organized by the Government of the Russian Federation under Federal Program ‘Russian Language’ and by the Federal Agency of International Humanitarian Cooperation ‘*Rossotrudnichestvo*’, 2014 in the essay competition on the topic “*Russian language and study in Russia: what does it mean for my career?*” held on 1st July to 31st September 2014 at Tula State Pedagogical University.

Research Projects

Munjal, Girish. R& D Project “Compilation of Innovative Teaching Material on theory and practice of syntax of Russian Language at Post-graduate level” for the year 2014-15.

Koves, Margit. R & D Project “Reception of Indian and the Orient in Hungarian Literature-A Reader” for the year 2014-15.

Singh, Ravinder. R& D Project “Development of Listening Comprehension skills in Russian in Indian classroom” for the year 2014-15.

Inter Institutional Collaboration

Existing/ Running MOU

University of Delhi and Abai Kazakh National Pedagogical University, Kazakhstan

Proposed

University of Delhi and University of Pecs, Hungary

University of Delhi and Russian State University for Humanities, Moscow, Russia

University of Delhi and Tomsk State University, Russia

Publications

Koves, Margit. Spaces, Bodies and Arts in the Work of László Krasznahorkai in: *Comparatism and the function of genre* Goethe Society of India Yearbook 2015 editors Chitra Harsvardhan, Rekha Rajan, Madhu Sahani, Peter Lang, Delhi, in press

Amrita Sher-Gil és a magyar irodalom in: *Amrita Sher-Gil és az indiai-magyar művészeti kapcsolatok*, [Amrita Sher-Gil and Hungarian literature in: *Amrita Sher-Gil and Indo-Hungarian Contacts*], editor Katalin Keserű, Budapest, Magyar Művészeti Akadémia, Budapest. in press

A Lizard on the Wall: Stories of Partition and War: Sa’dat Hasan Manto and István Örkény, in: *Sa’dat Hasan Manto Chronist des ungeteilten Irrens der Teilung Indiens*, editor, Swati Acharya, Draupadi Verlag, Heidelberg, 2015, pp.103-124. ISBN 978-3-937603-98-8

Conferences Organized

During the academic year 2014-15, the Department organized several lectures for the students. Some of the important lectures delivered were as follows:

H.E. Mr. Petko Doykov, Ambassador of the Republic of Bulgaria, New Delhi, addressed the students of Bulgarian language on: "Contemporary Bulgaria: new avenues for modern youth"

Ms. Alina Vymorkova gave a lecture-cum-presentation on "Moscow: City, City Transport" followed by and a film show "How many faces does Moscow have"

The Russian Poet and writer Mr. Oleg Borushko spoke on the modern trends in Russian Literature with special focus on the literature by the Russian Diaspora.

Dr. Alexander Iskandaryan from Caucasus Institute Yerevan, Armenia spoke on "Issues related to Post-Communist Transformation and Ethno-Political Conflicts".

Prof. Tatiana Kostyukova, Tomsk University, Russian Federation spoke about the problems related to Research methodology.

Dr. Monika Browarczyk, delivered a lecture on "Challenges of Translation from Polish to Hindi"

Besides lectures, the Department organized a film festival-cum workshop on the theme of Migration. A workshop on "Birth & Death Rituals and Customs in Slavic and Hungarian Folklore: Universal & Specific" was also organized thus completing the genre of human cycle in folklore. The presentations were related to Birth rituals and Death rituals in Slavic and Hungarian Folklore & Comparative analysis with Indian Folklore was also done.

Conferences Attended

Saxena, Ranjana. Attended Third International Congress of Translators of Literature organized by the Federal Agency for print and Mass Communication and the institute of translation to be held on Moscow from 4th to 7th September, 2014.

Saxena, Ranjana. Participated in the International Literary Festival 'Poliphonia' Almaty to deliver a lecture on 'Women's prose of the Countries of CIS: A western Gender based approach' and in the Literary Festival being held in Almaty, Kazakhstan from the 5th June, 2014 to 8th June, 2014.

Suryanarayan, Neelakshi Attended International Conference on 'Pragmatics of advice: Cross cultural perspectives' at the 6th International Conference on Intercultural Pragmatics and Communication, held at University of Malta 30th May -1st June, 2014

Suryanarayan, Neelakshi. Attended 20th Sociolinguistics Symposium on 15-18, June, 2014 in Jyvaskyla, Finland

Margit Koves, Visiting lecturer in Hungarian Language International Conference "English Language & Literature - A Tool for Humanising" 23-24 February, 2015 Lingaya University – Panel Chair „Challenges of Language Teaching”

Margit Koves, International Conference „*Literary Translation: Theory and Practice*” University of Rajasthan, Jaipur 4-6 December, 2014 Chair first Session, Valedictory Speech 6th December. .

Margit Koves, International Conference "*Seventh International Csoma des Koros symposium on Buddhist Transcreations in Tibetan Literature and Art*" New Delhi Indira Gandhi National Centre

for the Arts (IGNCA) and Hungarian Information and Cultural Centre 4-5th September, 2014 Paper : Alexander Csoma de Kőrös and the Hungarian National Narrative

Number of M-Phil Degrees Awarded

M-Phil : 2

Faculty Strength: Permanent-3; Ad hoc: 5; Guest teachers: 6

Number of International journals subscribed (online + paper back versions): 4

FACULTY OF COMMERCE AND BUSINESS

COMMERCE

Activities and Achievements

Lecture Series of Prof. Stuart Locke

The Department of Commerce organized the lecture series of Prof. Stuart Locke, Professor and Chairperson, Department of Finance, University of Waikato, New Zealand on September 13, 2014. Prof. Locke interacted with the M.Phil/Ph.D scholars at the Department and discussed the basic issues to be addressed while conducting research and answered the queries raised by the scholars. A number of research scholars and faculty members participated in the lecture series.

Prof Vijay Kumar Shrotryia from Department of Commerce, North Eastern Hill University also delivered a lecture on ‘Happiness and Growth’ by citing the example of Bhutan that how happiness can lead to the growth of a nation at the Department of Commerce on September 13, 2014.

Visit of Delegates from Japan

A group of delegates from Graduate School of Management, Ritsumeikan Asia Pacific University, Japan under the leadership of Prof. Dr. Yasuki Suzuki visited the Department on August 25, 2014 and interacted with the Head and faculty members and discussed the various courses offered by the University of Delhi and student exchange programmes offered by Ritsumeikan Asia Pacific University, Japan.

Visit of the Delegates from Hong Kong

A delegation from Hong Kong University of Science and Technology visited the Department on August 25, 2014 for interacting with the students and faculty members. Prof. Anirban Mukhopadhyay interacted with the MBA students in the Department and informed them about the different courses and career options offered by Hong Kong University of Science and Technology and answered queries raised by the students. They also discussed various research initiatives taken at the Department level. The objective of the visit was to encourage more Indian students to engage in research and move towards an international career in Academics and Consulting. They also introduced Hong Kong Ph.D fellowship schemes and discussed about the possible future areas of collaboration and research.

Visit of Delegates from Azerbaijan

Delegates from ADA University, Azerbaijan visited the Department on October 28, 2014 to promote the various academic and research programmes offered by the University. Delegates interacted with the faculty members in the room of the Head of the Department where faculty members informed them about the various programmes offered by the Department of Commerce, admission procedure, examination scheme, evaluation criteria and various career options available to the students after these courses.

Management Events

Two - day Annual Management Fest “Atharva” and a one day HR fest “Conflux” was organized by the students of MIB and MHROD which is actively participated in by other college and management students.

Honours/Distinctions

Prof. J. P. Sharma recipient of "Shiksha Gaurav Puraskar" awarded by the Centre for Education Growth and Research, New Delhi.

Appointed as a Fellow of the Australian Academy of Business Leadership (AABL) in April 2015.

Nominated by the Australian Academy of Business Leadership (AABL) on the AABL 'Advisory Board'; 'Editorial Advisory Board Member' and a reviewer of the Australian Academy of Law Ethics and Governance Review (AALEGR) journal, Australasian Journal of Law Ethics and Governance (AJLEG) and a reviewer; Organising committee member of 'Kuala Lumpur International Business Research Conference (KLIBSRC) 2016, 'Melbourne International Business Research Conference (MIBSRC) 2016, 'Dhaka International Business and Social Science Research Conference (MIBSRC) 2016, and 'London International Business and Social Science Research Conference (MEIBRC) 2016.

Chaired a Session and also presented research paper titled "Ethical Governance-A Study of Delhi University and its Colleges (Joint Authors)" at the Sydney International Business Research Conference 2015 organized by the Australian Academy of Business Leadership (AABL) on 17-19 April, 2015 at the University of Western Sydney Campbelltown, and received the Best Paper Award with Cash Prize for the Paper.

Dr. Vanita Tripathi, BEST RESEARCH PAPER AWARD for the paper “ *Relationship Between Inflation and Stock Returns in BRICS markets : Empirical Evidence Using Panel Cointegration Test*” presented at 9th National Conference on Indian Capital Markets” organized by IBS Gurgaon 13-14 Feb 2015.

Research Projects

Prof. K. V. Bhanu Murthy, has worked a project of UGC (Under NME-ICT, GOI), e-PG Pathshala, UGC – NME ICT: Grant Rs.1.12 crores and principal Investigator of UGC Major research project Relationship between Macroeconomic variables and Aggregate Stock Returns: An Empirical study of BRIC stock markets, Amount Sanctioned: Rs. 784600.

Dr. Vanita Tripathi Principal Investigator of UGC Major research project “Relationship between Macroeconomic variables and Aggregate Stock Returns: An Empirical study of BRIC stock markets” National Level, Amount Sanctioned: Rs. 784600.

Dr. Ajay Kr. Singh: Granted University of Delhi sponsored Research Project on the topic entitled, “Student Engagement: A Case Study of Gwalior District of Madhya Pradesh State in India” for the year 2014-15.

Publications

National

Prof. J. P. Sharma, “Shareholder Protection Laws, Corporate Governance and Shareholder Activism- An Analysis in Indian Context” -Paper published in the Chartered Secretary Journal of the Institute of Company Secretaries of India, New Delhi (Joint Author Ms Pooja Sharma) in September 2014.

“Shareholder Protection Laws, Corporate Governance and Shareholder Activism- An Analysis in Indian Context” -Paper published in the National Convention Souvenir of 42nd National Convention of Company Secretaries organized by the Institute of Company Secretaries of India at Kolkata on August 21-23, 2014 (Joint Author Ms Pooja Sharma) in August 2014

Dhingra, Pooja, Singh, Ajay Kr., and Magu, Gaurav (2014), Limitations of Current Financial Reporting: A case for Integrated Reporting, *Business Analyst: A Refereed Journal of Shri Ram College of Commerce*, University of Delhi, Vol. 35, Issue 1 April-Sept. 2014, pp. 85-109, ISSN 0973-211X.

Singh, Ajay Kumar and Gupta, Nisha (2014) Metrics for Human Assets: An Empirical Analysis of the Current Practice in Service Sector Organizations in India, *Amity Business Review*, Vol. 15, No. 1, pp.20-30. [ISSN: 0972 2343]

Singh, Ajay Kumar and Vasudeva, Sakshi, (2014) Unethical Financial Reporting: An Empirical Analysis of Causes and Consequences, *MUDRA: Journal of Finance and Accounting*, [Journal Press India Publication] Vol. 1, No. 1, pp.1-30. [ISSN: 2347 4467]

Singh, A.K., and Sachdeva, A. (2014). Impact of work life practices on work life balance, enrichment and life satisfaction: A study among professionals in Banking and other Professional Services. [Presented in the National Conference on Mind Management for Management and published in the Proceedings], ed. Mittal, S., Khatri, P., and Jain, S. (2014) Bloomsbury Publishing, India, pp. 29-49, ISBN-978-93-84898-51-9.

Sharma, Kavita and Jain, Rimmi (2014), ‘Customer Evaluation of Technology Based Self-Service Options in India’ *MAIMS Journal of Management*, Vol. No.1

Tripathi Vanita and Bhandari Varun (2015) Book titled “ Socially Responsible Investing- An Insight and Future Perspective” ISBN 978-81-8387-706-0, Serials Publications, New Delhi.

Research Papers

Tripathi Vanita and Bhandari, Varun (2015) “ Performance of Socially Responsible Portfolios- Do Economic Conditions Matter?” *Journal of Commerce and Accounting Research* ISSN 2319-7415, Vol 4 N. 1 Jan 2015 pp 46-62. Publisher: Publishing India.

Tripathi, Vanita, Seth Ritika & Bhandari, Varun “ Foreign Direct Investment and Macroeconomic Factors: Evidence from the Indian Economy” *Asia Pacific Journal of Management Research and Innovation* ISSN 2319-510X, Publisher- Sage Publications, Vol 11 No. 1 PP 46-56. Jan -March 2015.

Tripathi, Vanita and Neerza (2015) “ Are Investment Strategies Based on Macroeconomic Factors?- A Survey of Investment Analysts in BRICS Stock Markets” in *Financial Markets and Economic Development*, Mittal et al (Eds.). ISBN 978-93-84898-94-6, pp 97-119, Publisher- Bloomsbury, New Delhi

Tripathi, Vanita and Maggo Shilpa (2015) “ FII Flows in Indian Debt Market and Bond Yields-Empirical Results” in *Financial Markets and Economic Development*, Mittal et al (Eds.). ISBN 978-93-84898-94-6, pp 172-184, Publisher- Bloomsbury, New Delhi

Tripathi, Vanita and Bhandari Varun (2015) “ Performance Evaluation of Ethical and Conventional Funds- A Study of Taurus Mutual Fund in India” in *Financial Markets and Economic Development*, Mittal et al (Eds.). ISBN 978-93-84898-94-6, pp 196-212, Publisher- Bloomsbury, New Delhi

Tripathi, Vanita and Kumar Mohit (2015) “ Can Macroeconomic Factors Predict Economic Turbulence” in *Financial Markets and Economic Development*, Mittal et al (Eds.). ISBN 978-93-84898-94-6, pp 282-291, Publisher- Bloomsbury, New Delhi

Tripathi, Vanita and Kumar Arnav (2015) “ Linkages Between Real and Financial Sector: Empirical Evidence from India Using ARDL Approach” in *Financial Markets and Economic Development*, Mittal et al (Eds.). ISBN 978-93-84898-94-6, pp 373-382, Publisher- Bloomsbury, New Delhi.

Tripathi, Vanita and Kumar Arnav (2015) “Short Run Causal Relationship between Inflation and Stock Returns- An Empirical Study of BRICS markets” in *Asian Journal of Management Applications and Research* Vol.05 No.01, ISSN 2230-8660 (Print), 2230 – 8679 (online), pp 104-108 Publisher: Centre for Management Studies, Jamia Millia Islamia University.

Tripathi Vanita and Lamba, Ashu (2015) “ Does Financial Performance Improve Post Merger and Acquisitions?- A Detailed Study of Indian Acquirer firms’ Financial Performance Across Target Economy’s Development Status and Financial Crisis” accepted in TIJ’s Research Journal of Social Science & Management ISSN 2251-1571 Jan 2015 issue (Impact factor 3.951 as on 19-12-14) .

Chaudhary Pankaj and Tripathi, Vanita (2015) “ Stock Return Volatility in Indian Stock Market” in *Indian Financial Markets-Policy Investments and Stock Markets*, Kaur H and Singh J.B (Ed.). ISBN 978-81-8484-4733. Regal Publications, New Delhi.

Tripathi Vanita and Neerza (2015) “Macroeconomic Drivers of Private Equity Investments in India” in *Indian Financial Markets-Policy Investments and Stock Markets*, Kaur H and Singh J.B (Ed.). ISBN 978-81-8484-4733. Regal Publications, New Delhi.

Tripathi Vanita & Aggarwal Khushboo (2015) “Long Run Co-integrating Relationship between Exchange Rate and Stock Prices: Empirical Evidence from BRICS Countries” *Advances in Management* E-ISSN 2278-4551, Vol 8(1) January 2015 pp 15-25. Publisher :World research journals.com
http://shankargargh.org/mngmnt_backissue/vol%288%292015/January2015.aspx

Chaudhary Pankaj & Tripathi Vanita (2015) “Informational Efficiency of Indian and Chinese Stock Market” *Advances in Management* E-ISSN 2278-4551, Vol 8(1) January 2015 pp 39-43. Publisher Worldresearchjournals.com
http://shankargargh.org/mngmnt_backissue/vol%288%292015/January2015.aspx

Tripathi Vanita and Maggo Shilpa (2015) “ An Empirical Analysis of Foreign Institutional Investment in Equity and Debt Market in India” *Journal of International Economics* ISSN 0976-0792 (an international journal of Institute of Public Enterprise, Osmania University) , Jan –June 2015.

Tripathi Vanita & Kumar Arnav (2014) “ Sectoral Efficiency of Indian Stock Market and the Impact of Global Financial Crisis” *Journal of Commerce and Accounting Research*, ISSN 2319-7145 Vol 3, No. 4 , Oct- Dec 2014, pp 15-27.

Tripathi, Vanita and Kumar, Arnav (2014) “ Relationship Between Inflation and Stock Returns: Evidence From BRICS Markets Using Panel Co integration Test”,*International Journal of Accounting and Financial Reporting*, ISSN : 2162-3082,Vol 4 No. 2 (2014) pp 647-658.Publisher: Macrothink Institute, USA.

Tripathi, Vanita and Neerza (2014) “Sources of systematic risks in BRICS stock markets: A survey of Investment Analysts and Market Experts” accepted in *American Journal of Business Economics and Management* on 15th Dec 2014.

Tripathi Vanita and Bhandari, Varun(2014) “ Socially Responsible Investing- An Emerging Concept in Investment Management” *FIIB Business Review*,ISSN 2319-7145 Vol 3 No. 4, Oct-Dec 2014, pp 16-30.

Tripathi Vanita and Maggo Shilpa (2014) “Economy Wide Factors and Foreign Institutional Investment in Indian Debt Market: Some Causal Relationships and Impulse Response Analysis” *Journal of Business and Finance* ISSN 0974-3413 Vol 7 No. 1 Jan-June 2014, pp 105-121. Publisher: Faculty of Management Studies,VBS Purvanchal University.

Tripathi Vanita and Neerza “What Drives Private Equity Investments in Indian Companies?” accepted for publication in the Edited Book volume of conference papers presented in the 3rd Annual Commerce Convention held in 12-13 April 2014.

Tripathi Vanita and Neerza (2014) “Determinants of Private Equity Investments : A Survey of Private Equity Investors in India” *Journal of Business Studies*, (ISSN:0975-0150), 2014-15, Vol VII pp 45-57. Publisher- Shaheed Bhagat Singh College, University of Delhi.

Tripathi Vanita and Maggo Shilpa (2014) “Determinants of FIIs in Indian Debt Market” in *The Indian Journal of Commerce* (ISSN:0019-512X) April- June 2014 Vol 67, No.2 pp 1-13.

Tripathi, Vanita and Maggo Shilpa (2014) “FII Flows In Indian Debt Market And Bond Yields - Empirical Results “*IUP Journal of Applied Finance (IJAF)*, Accepted for publication on 13/10/2014.

Tripathi Vanita and Aggarwal Shalini (2014) “Empirical Evidence on Prior Return Effect in Indian Stock Market: An Intra-day Analysis” in *International Journal of Financial Management*, ISSN: 2229-5690.Dec 2014 .

Tripathi, Vanita and Seth Swati (2014) “The Link Between Corporate Social and Financial Performance of NIFTY Companies in India” *ASPIRE”- An International Journal of Commerce and Management*, ISSN 2394-0Vol 1 Issue 1 , Sept 2014 pp 48-69.

Content writer of 25 modules (Sole author : 6, Co author- 19) of Paper No.8 : Financial Management of M.Com under e- PG PATHSHALA project of UGC under the NMEICT initiative of Ministry of HRD, Govt. of India for developing e-content for post graduate courses in India.

Tripathi, Vanita and Aggarwal Shalini. (2014) “ Prior Return Effect in Indian Stock Market : Some Empirical Evidence” *The Madras University Journal of Business and Finance*, ISSN 2320-5857 , Vol2 No. 2 July 2014 , pp 1-22 Publisher _ University of Madras.

Tripathi Vanita and Aggarwal Khushboo (2014) “ High Dividend Yield Stocks : A Better Investment Option in Bad Time” *Asia Pacific Finance and Accounting Review*, ISSN 2278-1838, Vol 2 No. 1 &2, Jan-Dec 2014 pp 37-56. Publisher- Asia Pacific Institute of Management New Delhi.

Jain, Rachna and Tripathi, Vanita (2014) “ Impact of Cross Listing on Domestic and International Markets: A review” *International Journal of Marketing, Financial Services & Management Research*, ISSN 2277-6788, Vol 3 No.2 April- June 2014 pp50-60.

Tripathi, Vanita (2014) “SENSEX- What is in store?” *Property Observer*, ISSN22776818, June 2014, pp 46-49.

Tripathi Vanita and Bhandari Varun (2014) “ *Socially Responsible Stocks can Bolster CSR Law*” in *Hindustan Times* dated 23rd April 2014.

Tripathi, Vanita and Namita Narang (2014) “ On Dynamic Relationship between oil price, exchange rate and stock price in India, *The Asian Economic Journal*, ISSN 00004-4555, Vol 56, No. 1, March 2014, pp 163-186.

Jain, Rachna and Tripathi, Vanita (2014) “ Impact of Cross Listing on Returns of Underlying Domestic Stocks- An Empirical Analysis” in *Emerging Issues of Capital Market in India* Ed. Panda, J.K., [ISBN: 978-81-923793-4-0] pp 1-26.

Tripathi, Vanita and Sethi, Shruti (2014) “Domestic Financial Market Integration in India” *Management Perspective* ISSN: 0975-0495, Vol 2 issue 2 (July-Dec 2014), pp 43-65 .

Chaudhary, Pankaj and Vanita Tripathi (2014) “A Comparative Study of Sectoral Indices Volatility in India and China” *Business Analyst*,ISSN: 0973-211X, Vol 35 No. 1, April-Sept 2014, pp 77-96.

Tripathi, Vanita & Seth, Ritika (2014) "Stock Market Performance and Macroeconomic Factors : The Study of Indian Equity Market", *Global Business Review* (Sage Publications), ISSN 0972-1509 ,Vol 15, No2, June 2014 pp 291-316.

International

Bhanu Murthy, K.V. and Niti Bhasin (published online), “The Impact of Bilateral Tax Treaties: A Multi-Country Analysis of FDI Inflows into India”, *Journal of International Trade and Economic Development* (DOI:10.1080/09638199.2014.960442)

Conferences Attended

Prof. J. P. Sharma, on invitation, delivered lectures at the Department of Finance, Waikato Management School, the University of Waikato, New Zealand, April 24-28, 2015.

Chaired a Session and also presented research paper titled “Ethical Governance-A Study of Delhi University and its Colleges (Joint Authors)” at the Sydney International Business Research Conference 2015 organized by the Australian Academy of Business Leadership (AABL) on 17-19 April, 2015 at the University of Western Sydney Campbelltown, and received the Best Paper Award with Cash Prize for the Paper.

Keynote Speaker at the 2nd International Conference on ‘Corporate Governance-A Paradigm shift’ organized by the Maharaja Agrasen Institute of Management Studies (New Delhi), April 10, 2015.

Main Speaker In a two Days UGC sponsored Conference organized by the ARSD College (Delhi University), March 24, 2015.

Main Speaker at two days International Conference and Doctoral Colloquium on the theme 'Transformative Social Science Research: Disciplines, Collaborations and Think Tanks', organized by the Institute of Public Enterprise (Hyd) on March 3-4, 2015.

Main Speaker in a workshop on "Corporate Governance in Upstream Petroleum Industry" organized by the ONGC Academy for its senior executives at Delhi on February the 23, 2015.

Main Speaker at the Management Skills Orientation Programme for company secretaries organized by the Institute of Company Secretaries of India (ICSI) at Symbiosis Centre for Management Studies, Noida, January the 10, 2015.

Main Speaker at the ‘Seminar on Good Governance’ organized jointly by the Shri Ram College of Commerce (SRCC) and Department of Commerce (DSE) on the theme "Use of Innovation and Technology in Promoting Good Governance", December 24, 2014.

Keynote Speaker at the Department of Commerce, Kurukshetra University in inaugural session of the 3-week Refresher Course in Business Studies, December 03, 2014.

Invited by the Department of Commerce Tripura Central University at Agartala to speak on social responsibility of business, November 24-25, 2014.

Keynote Speaker at the the 6th International Conference on Corporate Governance, Corporate Corruption and Sustainability” organized jointly by the Institute of Public Enterprise Hyderabad and ARI, UTIM Malaysia on November 20 and 21, 2014.

Invited by the Sussex Law School, University of Sussex (UK) for series of lectures for the research scholars, PG students and faculty, October 2014.

Keynote Speaker in a National Seminar on Corporate Governance: Perspectives and Practices organized by the Lakshmba College, Delhi University on 18 - 19 September, 2014.

Delivered series of seminars/lectures on 'Corporate Governance' at the Gaeddu College of Business Studies (Royal University of Bhutan), from September 01 to 06, 2014, organized by the Director General of Gaeddu College.

Main Speaker on “Social Responsibility of Business” organized by the Department of Commerce, Aligarh Muslim University, June 28, 2014.

Keynote Speaker in a National Conference on "Corporate Social Responsibility: Expectations and Challenges" organized by the Department of Management, Mewar Institute of Management, Vashundhra, Ghaziabad, May 31, 2014.

Keynote Speaker in a two day National Seminar on “Corporate Governance & Business Integrity” organized by the Sri Sharda Institute of Indian Management, New Delhi, April 26, 2014.

Presented Paper (joint paper) at the 3rd Annual Commerce Convention on ‘Liveraging Business: Discovering new Horizons’ organized by the Department of Commerce at Delhi School of Economics, Delhi University held on April 12-13, 2014.

Dr. Ajay Kr. Singh delivered Key Note Address on December 31, 2014, in a Technical Session on, “Creating employment opportunities for economically weak and physically challenged citizens, Affordable products and services offerings through innovation, Role of NGOs/SHGs towards empowerment”, in the ICSSR sponsored National Conference on “Challenges to Inclusive Growth in the Emerging Economies,” from Dec. 31 2014 to Jan. 2, 2015, organized by Department of Commerce, M. D. University, Rohtak, Haryana.

Chaired a Technical Session and delivered a talk in the International Conference on “Spirituality: The Essence of Ethical Leadership and Management” organized by School of Management Sciences, Varanasi, from Nov. 22 to 24, 2014.

Delivered presentation as Invited Panel Speaker in Technical Session I on the theme, “Understanding the New Age Consumers, on September 12, 2014, in a two-day International Conference on ‘Marketing: Concepts to Applications (ICMKT:C2A, 2014)’ organized by D.A.V. Centenary College Faridabad, in association with Integrated Association of Medium, Small and Micro enterprises of India (IamSMEofIndia) on 12th-13th September, 2014 in the college auditorium sponsored by ICSSR.

Secretary General of XV Annual International Conference on “Global Shift: Changing Paradigms” under the joint auspices of Rotary Club of Delhi Maurya, Delhi School of Professional Studies and Research (DPSR) et al. scheduled to be held on Aug. 5-6, 2014 at ICE Academy, Birmingham, United Kingdom. www.internationalconference.in

Attended Conference on Stress Reduction Skill: Scientific Update, organized by Sri Sri GMDA and Department of Psychiatry, All India Institute of Medical Sciences (AIIMS), at IIT Delhi, on Aug. 30-31, 2014.

Attended the 105th Annual Rotary International Convention at Sydney Olympic Park, Sydney, Australia from June 1 to 4, 2014.

Attended the Annual Commerce Convention 2014 on “Leveraging Business: Discovering New Horizons at University of Delhi, from April 12 to 13, 2014.

Singh, A. K. and Makkar, S. (2015) Measurement of Spirituality: Development and Validation of a Questionnaire” presented in the Technical Session V of ICSSR sponsored XVI Annual International Conference on “Governance: Changing Paradigms” at India Habitat Centre, New Delhi, organized under the joint auspices of DPSR, Sri Aurobindo College (Eve.) [University of Delhi], et al., from Jan. 3 to 4, 2015.

Delivered Address as Invited Speaker in the Plenary Session II on “Subsidies and Union Budget” on Feb. 22, 2015 in the Two days UGC sponsored National Conference titled, “Government Subsidies: Boon or Bane for Economic Development of India”, from Feb. 21 to 22, 2015, at Dhanwate National College, Nagpur.

Delivered Key Note Address in the Inaugural Session and acted as a Resource Person on Feb. 21, 2015, in the National Conference on “Changing Paradigms of Good Governance: E Perspectives” organized by Maharishi University of Information Technology (MUIT), Lucknow, from Feb. 21 to 22, 2015.

Sharma, Kavita and Zareen Arshi, ‘A Study of Customer Life Time Value and its Impact on Customer Retention’ presented at 6th IIMA Conference on Marketing in Emerging Economies, January 7-9, 2015.

Tripathi Vanita & Kumar Arnav “ Short Run Causal Relationship Between Inflation and Stock Returns- An Empirical Study of BRICS markets” presented at International Finance Conclave organized by Centre for Management Studies, Jamia Millia Islamia, on February 28, 2015.

Tripathi vanita and Neerza “ Private Equity Investment in E Commerce Firms in India- Trends and Challenges” atUGC sponsored National Seminar on Online Retail in India: Issues and Challenges organized by Indraprastha College for Women, University of Delhi during 18-19 Feb 2015.

Tripathi, Vanita & Kumar, Arnav “ Relationship Between Inflation and Stock Returns in BRICS markets : Empirical Evidence Using Panel Cointegration Test” presented at 9th National Conference on Indian Capital Markets” organized by IBS Gurgaon 13-14 Feb 2015. *This paper was awarded with BEST PAPER AWARD at the conference.*

Tripathi Vanita & Neerza “ Macroeconomic Factors and Stock Performance across Emerging Markets- A survey of Stock Market Experts” presented at 9th National Conference on Indian Capital Markets” organized by IBS Gurgaon 13-14 Feb 2015.

Tripathi Vanita and Lamba, Ashu “ Motives behind Cross Border Mergers and Acquisitions and Post-hoc Operating Performance Analysis: A Survey of Indian Acquirer Companies” presented at 67th All India Commerce Conference organized by Indian Commerce Association at Utkal University, Odisha. India from 27-29 Dec 2014.

Tripathi Vanita and Kumar, Arnav “Sectoral Efficiency of Indian Stock Market and The Impact of Global Financial Crisis” presented at 67th All India Commerce Conference organized by Indian Commerce Association at Utkal University, Odisha, India from 27-29 Dec 2014.

Tripathi Vanita and Aggarwal Khushboo “Lead Lag Relationship Between Exchange Rate and Stock Prices: Evidence From BRICS markets” presented at international level conference “India Finance Conference” held at IIM Bangalore during 17-19 Dec 2014.

Tripathi, Vanita & Neerza “What Drives Private Equity Investment in Indian Companies” at 3rd Annual Commerce Convention (National Level) on Leveraging Business: Discovering New Horizons, organized by Department of Commerce, Delhi School of Economics, University of Delhi on 12-13 April 2014 in Delhi.

Participated at the IDA Connect workshops at Worlddidac India 2014 for the session “Technology Enhanced Learning in Higher Education” conducted by Centre for e Learning, Khalsa College, University of Delhi on 10-12 September 2014.

Dr. Niti Bhasin presented paper entitled “Impact of Regional Trade Agreements on India’s Trade Potential: The Case of SAPTA and APTA” (jointly with Ms. Rinku Manocha) at the *Fourth IIFT Conference on Empirical Issues in International Trade and Finance* held on December 18-19, 2014 at New Delhi.

Paper entitled “The Growing Importance of Indo-Japan Economic Relationship in the Asia Pacific Century” presented at the 5th Annual Conference the International Association for Asia Pacific Studies, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), Incheon, Republic of Korea, November 27-28, 2014 (co-authors: Dr. Munim K. Barai and Dr. Rabi Narayan Kar)

Paper entitled “Recent Developments in Environment Disclosure Practices of Companies in India” presented at the 12th Asia Pacific Conference, Ritsumeikan Asia Pacific University (APU), Beppu, Japan, November 1-3, 2014 (co-authors: Dr. Rabi Narayan Kar and Ms. Neha Arora)

Conferences Organized

Erudition’14

The students of MBA(IB & HRD), Department of Commerce, Delhi School of Economics, successfully organized the 19th Annual Business Convention- ‘Erudition 2014’ on the 26th and the 27th of September, 2014 at Eros Hotel, Nehru Place, Delhi, on the theme “*Re-morph: The Changing Business Scenario*”. This student-run initiative is organized every year to get an insight into the thought processes of the corporate and policy makers at large. The event was spread across two days, with three sessions on each day and a diverse panel of speakers. Day 1 included panel discussions on Employee Attraction and Engagement through CSR, The Changing Dynamics of Talent Acquisition and Leveraging Industrial Relations for Organizational Growth and Harmony. The panel discussions on Day 2 were on Corporate Governance and Financial Fraud – The Changing Paradigm in India, E-Commerce— A Complement or Competitor?, and BRIC BY BRIC – Dominance of the BRICS Countries in the World Economy. The sessions addressed the bigger picture of the current economic and business scenario. They gave the faculty and students an opportunity to harness a vast pool of practical knowledge and revealed the nitty-gritties of the industry.

Erudition ’14 was graced by the presence of eminent leaders in their specific domains like Prof. Stuart Locke from the University of Waikato, New Zealand as the Chief Guest and Mr. Vineet Nayar

(former CEO, HCL Technologies) as the Guest of Honour who inaugurated the event on the first day. The first panel included Mr. Yuvaraj Srivastava, Senior Vice President and Head HR, MakeMyTrip.com, Mr. Muninder Anand, Associate Director, Management Consulting - People and Change, KPMG and Mr. Yogesh Agiwal, General Manager - Corporate Human Resource Development, Wipro and they addressed the audience about Employee Attraction and Engagement through CSR. During the second session of Changing Dynamics of Talent Acquisition, Ms. Ratna Singh, Global Head-HR, Evalueserve.com Pvt. Ltd , Mr. Vimal Malhotra, Head HR, Sterlite Technologies Ltd and Mr. Abhishek Misra, Head HR, India Downstream at Shell shed some light on how the tables have turned around, giving the candidate a greater role in recruitment. The 3rd session for the day talked about Leveraging Industrial Relations for Organizational Growth and Harmony and had Mr. Hari Das Nair, VP and Group Head HR, JBM Group and Mr. Sumit Neogi, Managing Human Resource Business Partner, Nagothane Manufacturing Division, Reliance Industries Limited on the panel.

3rd Annual Commerce Convention

The two day 3rd Annual Commerce Convention on “Leveraging Business: Discovering New Horizons” was successfully organized by Department of Commerce, Delhi School of Economics, Commerce Department on April 12-13, 2014 at Sir Shankar Lal Hall, University of Delhi and Delhi School of Economics, University of Delhi. Hon’ble Dr. APJ Abdul Kalam, former President of India consented to be the Chief Guest on Day 1, April 12 at Sir Shankar Lal Hall, University of Delhi.

The auspicious ceremony began with the lighting of the lamp by Chief Guest, Hon’ble Dr. APJ Abdul Kalam & Saraswati Vandana by M.Com students followed by welcome address by Dr. Sunaina Kanojia, Coordinator-M.Com & Co-convenor of 3rd Annual Commerce Convention. Keynote address on the theme was delivered by Shri S.Raman, Whole time Member, SEBI followed with the address of Prof. J.P.Sharma, Head & Dean to the gathering. Inaugural session concluded with a vote of thanks by Dr. Kavita Sharma, Convenor, 3rd Annual Commerce Convention.

Number of M.Phil/Ph.D Degrees Awarded

Ph.D. : 17
M.Phil. : 11

Number of National Journals Subscribed (online+paper back version)

Number of subscribed printed national journals in library: **61**

Number of International Journals subscribed (online+paper back version)

Number of subscribed online international journals in library : 46 Total in all subjects

Number of subscribed printed international journals in library: 232- 46 = 186 Total in all subjects

FINANCIAL STUDIES

Activities and Achievements

Annual Convention

The XXVIIth Annual Convention on “Strengthening the Indian Financial Sector: Innovation, Strategies, Risk Management” was held on September 27, 2014 at Hotel Shangri- La, New Delhi. Mr. G.S. Sandhu, Secretary, Financial Services, Govt. of India, was the Chief Guest and Mr. Samir Bimal, MD & CEO, BNP Paribas Wealth Management, delivered the key note address.

Inter Institutional Collaboration

The Department had entered into MoUs with ESC Pau, France for student exchange and summer training.

The Department entered into an MoU with REIMS Business School, France, for student and faculty exchange as well as joint research.

The Department entered into an MoU with University of AKRON, Ohio, USA for student exchange and joint research.

Publications

Kumar, Muneesh: *Integrated Marketing Communication: Pentacom*, Pearson India, New Delhi, 2014 (ISBN 9782744073984).

Research Papers

Prof. Muneesh Kumar: Evaluating the Credit Risk Management Framework of Public and Private Sector Banks in India, IUP Journal of Bank Management, Vol XIII No. 3, August 2014.

Public Sector Disinvestment in India: Price Reactions and Under-pricing Issues, Global Journal of Emerging Market Economies May 2014 6: 181-202.

Prof. Sanjay Sehgal: Regime dependent dynamics and European stock markets: Is asset allocation really possible? (2015). *Empirica*, Vol 42, Issue 1.

The investigation of destabilization effect in India's commodity futures market: An alternative viewpoint (2015). *Journal of Financial Economic Policy*, Vol 7 Issue 2.

Stock Price Reactions to Earnings Announcement: Evidence from India (2015). *Vision: The Journal of Business Perspective*, Vol 19, No. 1, pp 25-36.

Profitable Trading Strategies based on Price Multiple Information: Evidence from India (2014). *AfroAsian Journal of Finance and Accounting*, Vol 4, No. 4, Pp 408-425.

Public Sector Disinvestment in India Price Reactions and Underpricing Issues (2014). *Global Journal of Emerging Market Economies*, Vol. 6, no. 2 PP 181-202.

Dr. Amitabh Gupta :An Analysis of Characteristics of Mutual Fund Mergers and Takeovers in India with C. Banga, 2014, *Quarterly Journal of Finance and Accounting*, vol.51(1&2), 69-97, Journal of Creighton University, USA.

Conferences Organized/Attended

Dr. Amitabh Gupta: Price Impacts of Block Trading on the Bombay Stock Exchange presented at the Ninth National Conference on Indian Capital Market: Emerging Issues organized by IBS Gurgaon, February 13-14, 2015.

Number of Ph.D./M.Phil. Degrees Awarded

Ph.D. : 5

Faculty Strength: Permanent - 6 ; Guest Faculty - 12

COLLEGES

ACHARYA NARENDRA DEV COLLEGE

Honours /Distinctions

Dr. Savithri Singh: Ministry of Human Resource Development, Government of India (2014) nominated her as a member of National Resource Group (NRG) on ICT in School Education and National Resource Group (NRG) for Rashtriya Madhyamik Shiksha Abhiyan (RMSA).

Dr. Savithri Singh and Dr. Sarita Kumar: K. S. Krishnan Teacher Fellow Award, by Homi Bhabha Centre for Science Education (HBCSE), Tata Institute of Fundamental Research (TIFR), Mumbai (July 6, 2014).

Dr. Vikrant Kumar: Raman Fellowship for Post-Doctoral Research in USA for one year (UGC, August 2014).

Dr. Mamta Bhatia: J. William Fulbright Award for attending ‘Fulbright-Nehru Inter-national Education Administrators Seminar 2014’, USA; October 26 to November 6, 2014.

Dr. Sarita Kumar: Local Coordinator of ROER4D Sub-Project 2 for Research into OER development in Post-Secondary Education in the Global South (University of Cape Town, South Africa, 2014-2015) funded by IDRC (International Development Research Centre), Canada.

Dr. Seema Makhija: Best oral presentation for the research paper entitled “Inferring Phylogenetic Position of an Indian Isolate *Tetmemena* sp. (Ciliophora, Oxytrichidae) using Morphological, Morphogenetic and Molecular Markers”. 2nd Asian Congress of Protistology and Ninth Asian Conference on Ciliate Biology organized by Kalyani University, Kalyani, India (November 27-29, 2014).

Dr. Sunita Jetly: First prize for poster presentation on ‘Quick and Efficient Detection of Chronic Myeloid Leukemia’. 9th Symposium on Frontiers in Biomedical Research, University of Delhi (April 14-16, 2014).

Research Projects

Investigators	Title of the Project	Funding Agency	Rs. (Lakhs)
Dr. Seema Makhija & Dr. Ravi Toteja (2012 - 2015)	Stress-Induced Induction of Metallothioneins (MTs) Gene in Ciliates and Its Use as Biomarker to Assess Environmental Pollution	UGC	9.42
Dr. Seema Makhija & Dr. Ravi Toteja (2012 - 2015)	A Study on Heavy Metal-Induced Stress Response at Cellular and Molecular Level in Ciliates for the Development of a Potential Biosensor	DST	28.0
Dr. Monisha Khanna (2012 - 2015)	Extraction and Activity Analyses of Extracellular Enzymes from Soil Actinomycetes	UGC	9.72
Dr. Subhash Kumar & Dr. Sukanta Deb (2014-2017)	Analysis of Light Curves of Variable Stars.	SERC, DST	6.60

Dr. Vibha Gaur & Mr. Sanjay Vohra (2010-2015)	Innovation and Entrepreneurship Development Centre (IEDC) – it provides funding for 5 projects each year.	DST	23.00
Dr. Arijit Chowdhuri (PI), Dr. Savithri Singh (Co-PI) & Dr. Charu K. Gupta (Co-PI) (2015-2018)	Exposure-Response Assessment of Ambient Air Pollution (AAP) and Hg Contamination in Affected Cities of India and Slovenia: A Comparative Study	DST (Indo-Slovenia joint project)	17.00

Innovation Projects Sanctioned by University of Delhi in 2013-15

Title of the Project	Faculty	Mentors	Funding Rs. (Lakhs)
Mobile Healthcare: The Future of Health Management in India – A Feasibility Study	Dr. Urmi Bajpai, Dr. Sarita Kumar, Mr. Vishal Dhingra	Mr. Ananda Sen Gupta, Managing Director, Track My Beat Healthcare India Pvt. Limited	5.0
Development of Low Cost Computer Controlled Science Laboratory Using Sensors and Open Source Hardware and Software Tools	Dr. Amit Garg, Dr. Roopesh Tehri, Dr. Chandra Kant Samal	Mr. Sunil Piplani, Industry Consultant and Proprietor, Excel Technologies, NOIDA	6.0
Astronomy Using Archival Data	Dr. Subhash Kumar, Dr. Sharanjit Kaur, Dr. Sukanta Deb	Professor H. P. Singh, Department of Physics & Astrophysics, University of Delhi	4.5
Artificial Olfaction Using E-Nose – Mimicking Human Nose for Gas Sensing Applications	Dr. Arijit Chowdhuri, Dr. Charu K. Gupta, Dr. Sunita Narang	Dr. S. P. Singh, Scientist, National Physical Laboratory, New Delhi	5.0

Library Development

The ANDC Library increased the number of books on its shelves by 672 and subscribed to one additional magazine

Publications

Das P, Solanki R and Khanna M (2014) Isolation and Screening of Cellulolytic Actinomycetes from Diverse Habitats. *International Journal of Advanced Biotechnology and Research*, 3: 438-451.

Bhatnagar V, Kaur S and Chakravarthy S (2014) Clustering Data Streams Using Grid-based Synopsis. *Knowledge and Information Systems*, 41: 127-152.

Garg M K (2014) Quest for Identity in Shashi Deshpande's Novel: The Dark Holds No Terrors. *Online International Interdisciplinary Research Journal*, 4: 447-452.

Khandelwal D, Hooda S, Brar AS (2014) Microstructure Determination of Isobornyl Methacrylate-styrene Copolymer by NMR Spectroscopy. *Journal of Polymer Research*, 21: 377.

Kumar N, Chakrabarty S, Badola S, Narang S, Gupta CK and Chowdhuri A (2014) Low Cost 'Smart' Switch for Designing Electronic Nose (e-nose) for Gas Sensing Applications. *Advanced Research in Electrical and Electronic Engineering*, 1: 35-37.

Shudhanshu A K, Garg A, Kumar R, Bharadwaj S R and Singh G (2014) Innovation in Basic Science Laboratory Through Sensors and Open Source Technology. *International Journal on Recent Trends in Engineering and Technology*, 11: 313-319.

Warikoo R and Kumar S (2014) Impact of the *Argemonemexicana* Stem Extracts on the Reproductive Fitness and Behaviour of Adult Dengue Vector, *Aedes aegypti* L. (Diptera: Culicidae). *International Journal of Insect Science*, 6: 71-78.

Dhawan G, Chandra R, Gupta KC and Kumar P (2015) Facile and Rapid De-protection Conditions for the Cleavage of Synthetic Oligonucleotides from 1,4-Anhydroerythritol based Universal Polymer Support. *Nucleosides, Nucleotides and Nucleic Acids* (Taylor & Francis Group, UK), 34(3): 149-162.

Eniyan K and Bajpai U (2015) Cloning, Expression, Purification and Bioinformatic analysis of 2-Methylcitrate Synthase from *Mycobacterium tuberculosis*. *Asian Pacific Journal of Tropical Medicine*, 8: 19-23.

Dey A, Deb S, Kumar S, Bhardwaj H, Bhattacharya B, Richa, Sharma A, Chauhan A, Tiwari N, Kaur S, Kumar S and Abhishek (2015) Light Curve Modeling of Eclipsing Binaries Towards the Constellation of Carina, *Journal of Undergraduate Research and Innovation*, 1: 1.

Conferences, Workshops, Training Programmes Organized

One-day workshop on "Think Lab – CUBE Interactive Meet" held at ANDC; September 18, 2014. (Organizing faculty: Dr. Sarita Kumar and Dr. Ravi Toteja)

Oral/Poster Presentations in International Conferences/Symposia

Gupta R, Makhija S and Toteja R (2014) Soil ciliate (Protozoa, Ciliophora) Diversity in and Around Delhi, India. 3rd IRCN-BC Workshop held at Royal Holloway, University of London, U.K. on September 1-3, 2014.

Kumar S, Toteja R and Gupta CK (2014) Creation of *E-museum* as Open Educational Resource Repository of Organisms for Students of Biological Sciences. Presented at International conference 'OCWC Global 2014' held at Ljubljana, Slovenia from April 23-25, 2014.

Makhija S, Gupta R and Toteja R (2014) Diverse Freshwater Ciliate Fauna from Okhla Bird Sanctuary, Delhi, India. 3rd IRCN-BC Workshop held at Royal Holloway, University of London, U.K., September 1-3, 2014.

Kachru P (B.Sc. (H) Physics VI Semester) and Garg A (2014) "Easing of Wave Optics Understanding Through Technology". Presented at International Conference 'Optics + Photonics 2014', San Diego, USA, August 17-21, 2014.

Chowdhuri A and Gupta CK (2014) A Novel OER Initiative under University of Delhi's New Four Year Undergraduate Programme: An Investigation into the Pedagogical Impact –Proc. of OCWC Global 2014: Open Education for a Multicultural World, April 23–25, Ljubljana, Slovenia.

Faculty Strength: Permanent: 74; Temporary: 02; Ad hoc: 39

Financial Allocation and Utilisation

Grant Sanctioned (in Rs.): Rs.23,17,08,368/-

Grant Utilised (in Rs.): Rs.20,49,89,586/-

Placement Details

Number of Students getting Successful Placements	:	149
Number of Companies/Industries coming for Campus Recruitment	:	08
Number of Repeat Recruiters	:	03

Number and Name of Domestic/International (MoUs) Signed with Partners:

With Indian/Foreign Companies/Industries: 01

MoU between Ryot Chicory Growers & Suppliers and IEDC, Acharya Narendra Dev College, to work jointly for establishment of Business Incubator in Malawi (a country in South of Africa). MoU signed in May, 2014.

Extension and Outreach Work

Number of Camps Organized in the Surrounding Areas: 01 (SPIE Optics Education Outreach Programme)

Number of People Enrolled/Covered in the Camps : 22 Schools of Delhi

Number of Students Who Worked in the Camps : 50

Total Number of Hours Dedicated to these Camps : 250

Journals Subscribed

Number of International Journals Subscribed (Online + Paperback version):

Subscribed to Journals available through *Inflibnet*

Access to various journals through *DU Intranet*.

Number of National Journals Subscribed (Online + Paperback version): **01** new journal *Indian Birds* (Paperback) in addition to 24 existing ones.

ADITI MAHAVIDYALAYA

Honours/Disctinctions

Dr. Neelam Rathi received Best Teacher Awards by Directorate of Higher Education, Govt. of NCT of Delhi. She also received “Bhasha Bharti Sammam” in Tashkant, Uzbekistan. Dr. Sadhna Jain received Gold Medal for Doctoral Work on 8th March, 2014. Dr. Priya Bir is nominated as Vice President of Indian Association of Positive Psychology. Dr. Sandhya Vatsyayana and Dr. Tripta coordinated Rashtriya Sangoshti Gandhi Chetna Hindi Bhasha Aur Sahitya’ at Art Faculty, University of Delhi. Dr. Beena Antony Reji nominated as Member of Research Committee at Department of Social Work, University of Delhi. Dr. Mala Misra coordinated National Seminar on Gandhi Ka Chintan Samaj Nirman Avam Rashtra Nirman.

Research Projects

Following three Projects were given by the University of Delhi under Innovation Project for the year 2014-15

AM-201 : A Journey from just a girl to an individual : Adolescent Life Experiences. Principal Investigators : Dr. Tripta, Dr. Sandhya Vatsyayana, Dr. Poonam Yadav & Ms. Punita Gupta

AM-202 : Nutritional and Psycho-Social Well Being of Rural elderly Population of Delhi. Principal Investigators : Dr. Sadhna Jain, Dr. Manisha Wadhwa, Dr. Neelam Rathi & Dr. Ritu Sharma

AM-203 : Rangmanch Aur Vyaktitav Vikas. Principal Investigators : Dr. Rashmi Sharma, Dr. Neerja Deswal & Dr. Asha.

Library Development

Total budget: Rs.6 lakh fund allocated.

Number of books and journals added: 3600 books

Internet facilities upgraded: yes

The new spacious library building with two storey in process of completion and will be functional within a month. New constructed Reading Room and Library will be fully Air Conditioned.

Publications

Vashisht, Hemlata, Bahadur, I., Kumar, S., Bhrara, Kalpana, Ramjugernath, D. and Singh, Gurmeet (2014). Evaluation of Benzyl Triphenyl Phosphonium Chloride as Corrosion Inhibitor for Mild Steel in Phosphoric Acid. *Int. J. Electrochem, Sc.*, Vol. 9, pp 2896-29111.

Sadhna Jain(FCW)/Dr. Neelam Rathi (Hindi) – Elderly in India – Analysis of Economic and non-economic Activities. In (eds. Jain, S et al). *Issues and concerns of elderly people in India*. New Delhi : Book – Age Publications.

Sharma, Vidhi (2014). *Agyeya avam T. S. Elliot : Alochana Sidhant*. New Delhi : Anamika Publishers and Disbributors Limited.

Lakra Poonam (2015) Co-authored , *Aahar Vigyan, Surksha Evam Poshan* New Delhi: Elite Publication.

Kumar, Kamlesh (2014). *Istri Vimarsh Aur Nepathya Raag*. Delhi : Nayee Kitab.

Tiwari, S. & Co-authored (2014). *Industrial Economics*, which is referred and recommended by Delhischool of Economics as suggested text book for B.Com (P) 5 Semester.

Sanjeeta (2014). *Paryogannmulak Hindi*. Delhi : gully Babaa Publishing House.

Asha (2015) *Rang Vaicharagi : Naye Sandharbho Mein* New Delhi: Anany Prakashan,.

Conferences Organized/Attended

Seth, Upasna (Food Technology) UGC Sponsored National Seminar : Food & Textile Industry – Emerging Trends & Perspectives from Feb. 10-11, 2015 at Lakshmibai College, University of Delhi.

Vatsyayana Sandhya (Hindi) National Conference Gandhi Chetna : Hindi bhasha Aur Sahitya held at Art Faculty, Delhi University organized by Navunnayan Sahityik Society on Jan 30-31, 2015.

Jain Sadhna (FCW) Attended International Conference in Tashkent with paper on ‘Hindi Kiv Vaishvik Yatra’ in June 2014.

Reji, Beena (Social Work) International conference on Social Work Practice in mental Health, Kochi, Kerala in Dec. 2014

Asha (Hindi) International Seminar ‘Hindi Cinema :Samaj Aur Sarokaar’ organized by Rajasthan International Film Festival.

Kumar, Neenu (English) International Conference on Self Knowledge and Moral Identity held at HSS Depts., IIT Bombay from January 13-16, 2015.

Rathi, Neelam (Hindi) International Seminar on “Hindi Cinema meain Dalit Vimarsh” in taskand, Ujbekistant in 2014.

Dr. Reema Lamba (FCW) Conference on “Issues and Concerns of Elderly People in India” at Aditi Mahavidyalaya on 14th Feb., 2015.

Manisha (Economics) Conference on “Issues and Concerns of Elderly People in India” at Aditi Mahavidyalaya on 14th Feb., 2015.

Bir Priya (Psychology) Convened a symposium on well being entitled “An enigma called well being” and also presented a paper entitled the same in the symposium at the International Congress of Applied Psychology held from July 8th to 13th, 2014 at Paris, France.

Rani Manju (Hindi) National symposium organized by PGDAV Mahavidyalaya, University of Delhi

Sharma Ritu (Psychology) 28th International Congress of Applied Psychology 2014 “The title of the paper is “Influence of bio-psychosocial and cultural on lifestyle interventions as determinant of psychological well-being” in Paris on 12th July, 2014.

Ghosh Anita (Physical Education) International Conference on “Prediction of Future Trends in Psychology of Sports Coaching with Delphi Technique” in ICSP-2014 from Oct. 15-18, 2014, Delhi.

Patra Punyatoya (Geography) “Biophysical and Socioeconomics Investigations related to landslides in the himachal Himalaya, India” at International Geographical Conference on 18-22 August, 2014 at Institute of Geography and Spatial Management Jagiellonian University, Krakow, Poland.

Sawshilya Archana (Political Science) National Seminar on Devising Policy Strategies for India from 13-14 Jan., 2015 at ILLL, University of Delhi.

Faculty Strength: Permanent – 59; Ad hoc – 41

Financial Allocation and Utilization

Grant sanction in Rs. : 18,86,41,173.43

Utilized in Rs. : 14,89,90,232.00

Placement details

Number of students getting successful placements :13 students

Number of Companies/Industries coming for campus recruitment.Tata Power Pvt. Ltd.; Engineering Watch; Genpac; EXL Services and Liatchi Knowledge Centre.

Number of repeat recruiters.

Tata Power Pvt. Ltd. And Engineering Watch

Extension and Outreach work

Number of camps organized in the surroundings areas.

1. Gangtok, Sikkim
2. Solan, Himachal Pradesh

Number of people enrolled/covered in the camps

1. Gangtok, Sikkim – 145 students with 6 teachers and 4 escorts
2. Solan, Himachal Pradesh – 46 students with 4 teachers

Number of students who worked in the camps

1. Gangtok, Sikkim – 145 students
2. Solan, Himachal Pradesh – 46 students

Total number of hours dedicated to these camps

1. Gangtok, Sikkim – 192 Hours
2. Solan, Himachal Pradesh – 96 Hours

Student numbers under exchange programme

Undergraduate inbound/outbound Exchange Students	:	4 students
Graduate/Postgraduate inbound/outbound Exchange Students	:	4 Graduate

AHILAYA BAI COLLEGE of NURSING

New Courses/ Subject introduced

First time in Delhi Government induction Training programme for newly appointed nurses is introduced by ABCON.

Library development

Total budget:Rs 80000/-
Number of books added: 100
Journals subscribed to: 7

Appointment of faculty members to higher Posts/Assignments outside the institution.

Mrs.Sneh lata Manocha is deputed as registrar to Delhi Nursing Council.

Mrs. Ritu Singh is appointed as H.O.D at Swami Dayanand Hospital on deputation.

AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY

Activities and Achievements

An Awareness lecture was delivered by Dr. Mansi Mittal (PT),Assistant Professor, Amar Jyoti Institute of Physiotherapy on “Role of Physiotherapy in Obesity” on 28th August 2014 at the Amar Jyoti Conference Hall. Amar Jyoti staff and general public were benefited through this lecture. It focused on the causes, complications of obesity, its management and specifically the role of a physiotherapist.

Honours/ Distinctions

Dr. Raju K Parasher, Director/ Principal.A Poster was presented on"Exploring knowledge, Attitudes & Practice of RNs regarding the spread of nosocomial infections"at 16th international congress on infectious diseases, Cape Town, South Africa, April 2014.

Research Projects

Title of the study	Name of Researchers
The Impact of Inclusive Education in Children with Disabilities from Urban Slums	Dr. Sampada Jahagirdar (PT), Dr. Kshitija Bansal (PT), Dr. Raju. K. Parasher.
Prevalence and barriers faced by children with developmental disability living in urban slums of Delhi	Dr. Jeyanthi S. (PT), Dr. Raju K. Parasher.
Identification of children with Developmental Disabilities living in urban slums of Delhi and their access to early intervention program	Dr. Manjusha Dobhal (PT), Dr. Raju K. Parasher.
Effectiveness of body weight supported treadmill training on gait parameters for children with Cerebral Palsy.	Dr. Nidhi Singh (PT), Dr. Raju K. Parasher.
Prevalence of Urinary Incontinence in Women Living in Delhi	Dr. Purna Mohan Saxena (PT), Dr. Kshitija Bansal (PT), Dr. Raju K. Parasher.

Awareness about Diabetes: A Comparison between population of Urban areas and urban slums	Dr. Mayank Garg (PT), Dr. Perna Mohan Saxena (PT)
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Library Development

Total budget : Overall - Rs. 1,55,159 .00
Number of books added : 73
Physiotherapy related Journals subscribed : 3

Publications

Jeyanthi S, Manivannan V, Natesan S. 2014. A comparative study between EMG biofeedback facilitated exercise and exercises alone on recovery rate of quadriceps femoris muscle strength following anterior cruciate ligament reconstruction. Indian Journal of Physiotherapy and Occupational therapy. April-June 8(2):238-243.

Manjusha Dobhal, Monica Juneja, Rahul Jain, Smitha Siaram, D. Thiagarajan. 2014. Health Related Quality of Life in children with Cerebral Palsy and their families. Indian Pediatrics. 51: 385-387.

Perna Mohan Saxena, Sohrab Ahmad Khan, Kshitija Bansal, Nirhat Quaddus. 2014. Age specific normative data of deep neck flexor endurance for asymptomatic young adults. Indian Journal of Physiotherapy and Occupational therapy. April- June , 8 (2): 128-133.

Conference/ Seminars/ workshops Organized/ Attended

Dr. Raju K Parasher, Director/ Principal. A Poster was presented on "Exploring knowledge, Attitudes & Practice of RNs regarding the spread of nosocomial infections" 16th international congress on infectious diseases, Cape Town, South Africa, April 2014.

"Effect of direction-cue time-constraints and walking speed on turn strategy preference and anticipatory gait changes in healthy older and young adults: A pilot study" Petersheim academic exposition, South Orange, NJ USA, April 2014.

"Assessing cultural competence in healthcare professionals" Petersheim academic exposition, South orange, NJ USA, April 2014.

A one day workshop on "Sensory Integration: Evaluation and Treatment Strategies" was conducted by Dr. Nalina Gupta Singh (PT), Senior Therapist, Port trust Hospital, Ganghidham, Gujarat on 28th September 2014.

A two day workshop was conducted on 10th & 11th November 2014 on "Pilates: A Gateway to Core Stability" by Dr. K. Ganesan (PT), MPT (Sports Physiotherapy), Pilates Instructor, Mumbai.

A one day workshop on "Taping in Sports & Musculoskeletal Conditions on 8th December 2014 by our faculty Dr. Hemant Juneja, Associate professor, AJIPT. There was overwhelming response by students for the workshop.

A Lecture on "Pelvic Floor Dysfunction: Male Incontinence" was organized for the students and staff on 20th January 2015. The resource person, Dr. Rebekha Das (PT), Incontinence Therapist, University of South Australia, spoke about the evaluation of incontinence and various strategies to deal with this debilitating dysfunction.

A hands-on workshop on “Sports Massage” was conducted by Dr. Debashish Das (PT), MPT (Sports Physiotherapy) University of South Australia, on 12th March 2015.

Faculty Strength: Permanent - 8; On Contract -2

Extension and outreach work

Number of camps organized in the surrounding areas - 7 Camps

Number of people enrolled/covered in the camps - 60 to 70 Patients

Number of students who worked in the camps - 6 Students in each Camp.

Total number of hours dedicated to these camps – 4 to 5 Hours for each Camp.

Journals subscribed

Number of International journal subscribed(online + paperback version) - 4

Number of National journal subscribed(online + paperback version) - 2

ATMA RAM SANATAN DHARMA COLLEGE

Activities and Achievements

In November, 2014 the College was awarded funding under the STAR College scheme of Department of Biotechnology,GoI, under which the Departments of Chemistry, Biology, Physics and Mathematics were earmarked for special financial support for promoting interest in the field of Biology. In January 2015,*Rangayan*,the Dramatic Society of College became the first College of the University to organize a 3 day Theatre Festival entitled “*Rangshirsh Jaidev Natya Samaroh*” marking its 10th anniversary.HT City Youth Nexus under the category “*Campus ka Mahayuddhha-Nautanki Sala*”, adjudged ARSD theatre society as the best for the year 2014. *In February 2015*, the College also became the very first to organize a day-long North East Cultural Festival entitled *Rainbow Fest*. Ms. Baljeet Kaur,Assistant Professor of the Department of Commerce received the Teaching Excellence Award from the Vice Chancellor in May 2014 for Foundation Course *Business, Entrepreneurship and Management*.

Honours/Distinctions

Recognition of the college as Business Incubator (BI)/Host Institute (HI) for implementation of the scheme support for entrepreneurial and managerial development of SMES through incubator by Ministry of MSME,GoI

Receipt of Star College Grant under Star College Scheme of Department of Biotechnology,GoI.

Completion of five innovation projects by faculty members and students in 2014-15.

Alumnus Rajkummar Rao got National Film Award for Best Actor

NCC team won a number of prizes at the national level and for attending Youth Exchange Programme overseas.

Research Projects

Dr Sunita Bhagat of the Dept. of Chemistry is working on a research project by ICMR entitled *Design and synthesis of alpha hydroxysuccinamic acid, isolated from Eugenia jambolana and its structural analogs for assessment of their anti-diabetic potential in STZ induced diabetic rats.*

Dr Rajeev Singh of the Department of Chemistry is running a UGC major project entitled *Synthesis and characterization studies of some single source molecular precursors of Al(III), V(V), Ti(IV) and related metals for the preparation ceramic materials.*

Dr I M Jha, Dr Anamika Prasad, Mr S N Dubey of the Dept. of Political Science and Ms. Sharmila of Mathematics have submitted their project entitled “Challenges of Contemporary India: A Gandhian Alternative” under the mentorship of Mr. Anupam Mishra, Gandhi Peace Foundation, New Delhi.

Dr Sanjay Singh Baghel of the Department of Hindi , Dr Uma S Singh and Ms. Geetanjali Batra of Department of Commerce have submitted their report on *Impact of social networking sites on the Indian youth: a study of their lifestyle and its effectiveness in nation building* under the mentorship of Prof. Ashok Chakradhar of Jamia Millia Islamia University.

Dr Anup Chatterjee, of the Department of Economics and Ms. Anupriya Arora and Ms. Baljeet kaur of the Department of Commerce submitted their projects titled *Study of Impact of Environmental Consciousness on Green buying behaviour* under the mentorship of Prf. Suresh Aggarwal, Dept. of Economics, University of Delhi.

Students with Distinctions

SUO Ambareesh Shukla visited Sri Lanka as a Youth Exchange Program cadet and also attended advanced leadership course at Agra, 2014.

Library Development

The college has expanded its collection of books to 1,08,470 books.
Approximately 46 Journals, 19 Newspapers and 29 Magazines have been subscribed.
The library operates on an ‘open Access’ System.
It is in the process of getting Wi-Fi enabled.
The college library has access to ‘N-List’ programme.

Publications

Jha, Gyantosh Kumar. 2015. (ed). *Bhasha ki Rajniti aur Rashtriya Asmita* , Sasta Sahitya Mandal Prakashan.

Rang Shirsh Jaidev, Ankita Prakashan, Ghaziabad

Dwivedi, Shubha. “A Reading of Anita Desai’s In Custody for Meanings of the “Self”. The Literary Voyage: An International Journal For scholarly And Creative Writings. Gulbarga: Rachna publishing House, Vol I, Issue III, September-December

Choubey, Gautam : Reflections on Dharma, Gandhism and Public Sphere, MR Publication, New Delhi

Bhagat, Sunita : *Synthesis, Spectral and Thermo analytical Studies of Nickel (II) and Ruthenium (II) Complexes of Schiff Base Ligands for Hydrogenation of Benzene, Current Catalysis*

Mondal, Sanghita and Manoj Pant (2014) 'FDI and Firm Competitiveness: Evidence from Indian Manufacturing', *Economic & Political Weekly*, Vol - XLIX No. 38, pp 56-64.

Conferences Organized /Attended

Emerging HR practices for organizational excellence, 24th and 25th March, 2015 A two day seminar that saw hands-on training and lectures on human resource management practices. This national seminar was funded by the UGC.

Media ka Bazaarikaran aur Bharatiya Loktantra, 26th and 27th March, 2015 Hindi department of ARSD organized a two day National Conference on commodification of media and democracy. Eminent scholars and leading media personalities participated in the conference and made it a fulfilling experience for the students.

Fabrication Workshop, 13th March, 2015 A one day workshop on fabricating single and double sided PCBs in lab on was organized by the Department of Electronics of the College. In attendance were Prof. Enakshi K Sharma (Head, Dept. of Electronic Science) and Prof. Dhananjay Gadre (NSIT, Delhi University)

Dr. Sanjay Singh Baghel "A Journey of Hindi Literature in the Indian Context: A comparative analysis from Print Media to New Media" in First International conference on Eastern Study Workshop held on May 16-17, 2014. The Conference organized by Department of Foreign Languages Department, Peking University, Beijing, China.

Dr I M Jha, *Understanding Terrorism* at an international seminar, IIC New Delhi February 4-5, 2015

Faculty Strength: Permanent: 88; Ad hoc: 98

Financial Allocation and Utilization

Grant Sanctioned : Rs. 2,555.15 Lakhs

Utilized: Rs 2,555.15

Placement details

Successful Placement: 100

Companies/industries coming for campus recruitment: 5

No of repeat recruiters: 3 (Royal Bank of Scotland, IBM, Concentrix)

Extension and Outreach work:

Number of camps organized in the surrounding areas: 2

Number of people enrolled/covered in the camps: about 100

Number of students who worked in the camps: 26

Total number of hours dedicated to these camps: 84 hours (approx.)

Student numbers under exchange programme

Undergraduate inbound/outbound exchange students: 1(outbound)

Journals Subscribed

No. of National Journals Subscribed: 51 paperbacks only

E-resources: (NLIST Programme/INFLIBNET): 1,03, 000

AYURVEDIC & UNANI TIBBIA COLLEGE

Honours /Distinctions

Prof. Dr. Mohammad Idris: Honored with distinguished award at International Conference Multidisciplinary Healthcare by All India Institute of Medical Sciences (AIIMS) for his outstanding services.

Appointed expert for entrance test in Madhya Pradesh Public State Service Commission (MPPSC).

Member-expert in Unani Pharmacopeia of India (UPC),Govt. of India.

Invited Lecture in DSR-Conference at Jamia Hamdard, New Delhi.

Research Projects: 35

Students with Distinctions : 10

Publications

Idris Mohammad & Shakeel Ahmad (2015) Standardization of Marham Zangar with Standard Operating Procedures, *World Journal of Pharmaceutical Research* 4 (4), 1636-1645.

Idris Mohammad & Shakeel Ahmad (2015) Pharmaceutical Development of Marham Zangar as a New Unani Surgical Dressing Material for Non Healing Wounds, *World Journal of Pharmaceutical Research* 4 (4), 1716-1724.

Idris Mohammad & Shakeel Ahmad: Standardization of *Habb-e-Asgand*(2015).A Unani Pharmacopoeial Formulation, *Indo-American Journal of Pharmaceutical Sciences* 2 (4), 833-836.

Idris Mohammad & Tarannum: Salt of *Achyranthes aspera* by Lixiviation, *Indo-American Journal of Pharmaceutical Sciences* 5 (5), 2016-2020.

Idris Mohammad & Tarannum(2015) The Effect of Henna (*Lawsonia inermis*) based Unani Female Contraceptive Formulation: A Pilot Study, *International Journal of Institutional Pharmacy and Life Sciences* 5 (2), 470-477.

Idris Mohammad & Saleem MN (2015) Role of Khardal (*Brassica nigra*) in Non-communicable Diseases: An Overview, *International Journal of Drug Development & Research*: 7 (1), 137-144.

Idris Mohammad & Saleem MN (2015) In vitro Transdermal Drug Delivery Analysis of *Zimad-e-Khardal*: An Antiemetic Unani Formulation, *World Journal of Pharmaceutical Research* 4 (4), 2013-2021.

Idris Mohammad & Saleem MN (2015) Zanjabeel (*Zingiber officinale*) in the Prevention and Treatment of Nausea and Vomiting: A Review, *World Journal of Pharmaceutical Research* 4 (5), 823-831.

Idris Mohammad, Shahbuddin M, Bhat, SA, Adnan M and Farheen (2015) Description of Gul-e-Surkh (*Rosa damascena*): A Review, *World Journal of Pharmaceutical Research* 4 (3), 859-875.

Faculty Strength: Permanent - 17 ; Temporary – 28; Ad hoc: 5

Financial Allocation and Utilization: Plan: 8 crores Non-Plan: 22.85 crores

Extension and Outreach work: Two OPDs (Ayurveda & Unani) were running at Ballimaran in Old Delhi.

Preparations have been started to celebrate the Centenary of the Institution next year. For which a roadmap has been approved by the Government of Delhi.

BHAGINI NIVEDITA COLLEGE

Honours/Distinctions

Ms. Vandana, B.Sc. Physical Science, III Year, got the meritorious Student Award reward of Rs.10,000/- from the Government of Delhi.

Dr. Rachna Mohan got the Best Teacher Award of Rs.1,00,000/- (Rupees One Lakh) from the Government of Delhi.

Library Development

Total Budget : 5,45,346/- (approx.)

No. of books added : 1450

Internet facility available within the library.

Publications

Dutta, Alokka. 2015. "India's Strengthening Relations with West Asia" in the book "India in Emerging Asia", Ed. By Dr. Singh. Pentagon Press, PP 39-50.

Sharma, Charu, 2015. "Facilitating Learning through Creative Drama in primary classrooms – A Reflexive Account", *Qualitative Research on Illness, Well-Being, and Self-Growth: Contemporary Indian Perspective*, Routledge.

Sharma, Vandana, 2014. "Bhartiya Sangeet me Neehit Shodh Samasyaen" in National Journal of Dance & Music "*Naad-Nartan*" December

"Relationship between Music Preference and Personality Type" in International Journal of Science and Research (IJSR) in February 2015

. "*Sangeet: Jeevandaayini Shakti*" and "*Vaadh Yantra kaa Savroop evam Prampra*" in October-December 2014 and January-March 2015 issues, respectively, of the National Magazine "*Saihardya*"

Conferences Organized/Attended

Dr. Alokka Dutta: "India's Relations with East Asia" and "Democratic Consolidation and the Role of Asian Values" in international seminars organized by Department of East Asian Studies, University of Delhi on March 23 and 27-28, 2015 respectively.

Mr. Nagendra: “Online Sequential Extreme Learning Machine for Watermarking” in international conference on Extreme Learning Machines (ELM, 2014) in Singapore (Dec. 8-10, 2014).

Dr. Poonam Rathi: “*Jeevan ka Antim Padav-Vridhavastha*” in a national seminar organized by Aditi College on February 14, 2015.

Dr. Vandana Sharma: “The Global Impact of Modern Trends on Traditional Music” in the International Seminar organized by Faculty of Music and Fine Arts (March 19-20, 2015).

Faculty Strength: Permanent- 40 ; Ad-hoc - 24

Journals subscribed:

National and International	:	6,000
E-Books	:	1,00,000
Paperback journals	:	12

BHARATI COLLEGE

Activities and Achievements

Bharati College, this year has introduced ‘Earn While You Learn’, after many brain storming sessions with the staff, a modified replacement of direct fee waiver under Self Help Cell. Under the direct Fee Waiver scheme the students who could not afford college education were granted full fee waiver including annual fees. This has been entirely a voluntary effort and run solely on donations from the teaching and non-teaching staff of the college. The scheme of ‘Earn While You Learn’ also supports students in need of finances but with grace. It offers three options to students to pay their fee: (i) pay fee in two installments, (ii) pay fee in three installments (iii) earn fee through self-help cell.

The Swachh Bharat Abhiyan was launched at Bharati College by the Principal, Dr. (Mrs.) Promodini Varma and an enthusiastic bunch of students and the whole staff of teaching and non-teaching took oath on 25th September 2014 in the presence of Mr. Pawan Mehta, Under Secretary, Department of Higher Education, MHRD. On October 2, the cleanliness drive was taken to the District Centre, Janakpuri, New Delhi where students cleaned the premises and presented street plays and songs on the importance of cleanliness.

Honours/Distinctions

Dr. Saloni Gupta has been selected as honorary editorial board member of the International Journal of Business and Management for Vol 1 & 2.

Dr. Kanta Rani Bhatia invited as resource person for refresher course organized by CPDHE on women’s studies.

Dr. Shubhra kathuria was appointed as Competition Director for the 6th lawn Ball Championship held at Jharkhand, Ranchi. She was also appointed as Technical Director for the 35th National game lawn Ball Championship held at Kerala, Kochi.

Dr. Asha Tiwari worked as a resource person in SCERT programme from 14-4-2014 to 17-4-2014 regarding refresher course organized for P.G.T teachers.

Ms. Kalpana Kataria completed her Ph.D from Jamia Milia Islamia University on “Performance Appraisal of Women Entrepreneur in NCR Region”.

Research Projects

Innovation project BW 20, Title: Familial violence faced by college going young women through the lenses of Bharati College students.

Project on “Family counselling and legal aid services” is supported by Central Social Welfare Board, Ministry of Women and Child Welfare.

Library Development

The library currently has 48,500 books. The library also subscribes to 17 Newspapers in English and Hindi. The Library reading room has a seating capacity of 100 students. Library also has a collection of Braille scripts for visually challenged students. This year 760 books and 42 journals/periodicals were added.

To promote research activities among faculty members the Library has institutional membership of N List. The cost of journals includes Rs. 5,000/- as annual subscription of e-resources through the N-List Programme. In the year 2014-15 three CCTV camera have been installed in the Library. Issue period of books has been reduced for members of the staff so that books are available for circulation among students. Outdated books have been weeded out. The library of Bharati College is one of its kind and fully digitized where students and faculty members can use their OMV cards to get books issued.

Publications

Books

Sharma, Rekha. “Ila ki Samvedna ke Vividh Aayaam”, ISBN No.978-93-83996-17-9, Publisher: Apple Books Delhi, 2014.

Rani, Sangeeta. “Hindi Ekanki aur Dr. Lakshmi Narayan Lal” published by Sanjay Prakashan, 2014 IDBN: 978-81-7453-445-3, 2014.

Gupta, Saloni. “Dictionary of Terms in Banking and Finance”, published by The Readers Paradise, 2015 (ISBN-978-93-82110-59-0).

Mahajn, Anupama. “*Principles of Marketing*,” for students of B.com. (Hons.), published by Vikas publishing house, New-Delhi, 2014, ISBN 978-93259-8083-9. (Co-Author)

Mahajn, Anupama. “*Principles of Marketing*,” Pan-India Edition, published by Vikas publishing house, New-Delhi, 2014, ISBN. (Co-Author)

Mahajn, Anupama. “*Marketing Management*,” for students of B. Com. published by Vikas publishing house, New-Delhi, 2015, ISBN: 978-93259-8662-6. (Co-Author)

Mahajn, Anupama. “*Human Resource Management*” for students of B. Com. published by Scholar Tech Press, MKM Publishers Pvt. Ltd., New-Delhi, 2015, ISBN: 978-93-82206-68-3. (Co-Author)

Kavitendru. “*Dalit Streevad: umeeden Aur Ashankayen, Yathasthiti Se Takarate Hue: Dalit Stree Jivan Se Judi Alochana*”, edited by Anita Bharati & Bajrang Bihari Tiwari, Samyak Prakashan, New Delhi, 2015.

Paper Published

Dr. Kavitendru “Hindi Ki Sankatgrast Duniya” in Samyantar (Monthly Journal), March 2015, ISSN 2249-0459.

Dr. Saloni Gupta: “Profitability of luxury market: A study of pre and post financial crisis 2007-08”, Journal of Business Management and information Systems(JBMIS), ISSN: 2394-3130 Vol 2(1), pp. 20–31, 2015.

Dr. Saloni Gupta: “Statistical Arbitrage: Profits through pairs Trading” Journal of Business Management and information Systems(JBMIS), ISSN: 2394-3130 Vol 2(1), pp. 140-148, 2014.

Dr. Saloni Gupta: “Warding off the Ponzi Trap: Eschewing the Quick Buck Promise that can Dupe You”, Journal of Business Management and information Systems(JBMIS), ISSN: 2394-3130 Vol 2(2), pp. 19-21, 2015.

Dr. Poonam “Management Education in India: A Marketing Gimmick or A Quality Product???” in conference proceedings IIMEDII 2015 organised by Maharaja Surajmal Institute (Affiliated to GGSIPU NAAC Accredited) on 21 March, 2015(ISBN:978-16-31024-51-1 VOL.I)

Dr. Poonam “*Management Education At the Crossroads! Stakeholders Need to Collaborate Not Collide!!!*” in the e-journal got published in July-August 2014 edition of e-journal AIMA-Journal for Management & Research (AJMR) ISSN 0974 – 497.

Dr. Anupama Mahajan: ‘*A Perceptual Analysis of Relationship between Age and Ethics in Marketing: A study of Indian Manager,*’ in International Journal of Business, Management and Social Science published by Choice College of Arts and Commerce, Pune, India, Vol.III, Issue 12 (11), August, 2014, ISSN 2249-7463.

Dr. Anupama Mahajan: ‘*Impact of Gender on Marketing Ethics: An Exploratory Study of Beliefs and Behaviours of Indian Managers,*’ in International Journal of Management and Computing Sciences, a refereed publication of Society of Management and Behavioural Sciences, Canada, Vol. 4, No. 1, Jan-Mar, 2014, ISSN 2231-3303.

Ms. Roopa Johri: “Impact of Corporate Social Responsibility on Corporate Marketing Strategy” in the National Conference on Innovations in IT, Management Education-Digital India Initiative, ISBN: 978-16-31024-51-1, Vol-II.

Rtai Dhillon: “Paradigm Shift in Indian Entrepreneurship: Going Green” in Business Analyst, SRCC Quarterly Journal, ISSN: 0973-211x, April-September 2014, Pp 163-178.

Ruhi Kakkar Ghai: “Profitability and credit culture of NPAs: An empirical analysis of PSBs” in the International Journal of Research, ISSN: 2251-1547.

Ruhi Kakkar Ghai: “A Study of Interlinkage of Corporate Governance Aligned with Company Law” in International Journal of Management, IT & Engineering, ISSN:2249-0558.

Dr. Bindu Kohli: “Bhartiya Samaj mei Nari ka Sathan; Bham or Satya” Research paper in Samyak Bharat Rashtriya Hindi Masik 8th June, 2014 ISSN 2277-2553.

Dr. Bindu Kohli: “Antar Rashtriya Mahila Dashak (1975-1985) aur Bhartiya Nari” first volume, 2014 December, Manyata Publication. ISBN 13 978-93-83559-15-2

Dr. Nandini C. Sen: “Africa and India in the 21st Century: Contexts, Comparisons and Cooperation” ED. Anand Singh and Nandini Sen. Delhi: Kamla- Raj Enterprises, 2014. ISBN-81-85264-68-6

Anavisha Banerjee: “Interrogating English Studies in India” in a Conference organized by the Department of English, Bharati College- 5-7 Feb, 2014 published in FORTELL. Issue No: 29, July 2014. ISSN No: 2229-6557.

Bhawna Pillai: "Subject to Male gaze: Studying the Representation of the Heroine in Twenty First Century Bollywood Cinema", published in International Journal of Multidisciplinary Studies, Issue January 2015, ISSN 2231-6248.

Bhawna Pillai: "Refining masculinity and Gentlemanliness in Victorian Age: Studying the New Bourgeois Hero in Thackeray's Vanity Fair", published in Writers, Editors, Critics Issue September 2014, ISSN 2231-198X

Bhawna Pillai: "Feminist Interventions in Maitreyi Pushpa's Short Story Collection Chinhaar", published in Muse India, Issue August 2014, ISSN 0975-1815

Dr. Shubhra Kathuria (Director of Physical Education) Research paper in Asian Academic Research Journal of Social Science and Humanities, titled Topic: "Why Delhi Women Hockey is in Pathetic Condition?", Volume: 1, Issue: 33, ISSN : 2278-859X.

Paper Presented

Dr. Asha Tiwari: "Arvacheen Sanskrit Sahitya Mein Pro ILA Ghosh Ka Yogdanam" in National Seminar organized by Sanskrit Academy during 27/2/2015 to 1/3/2015.

Dr. Sangeeta "Meer aka Kavya aur istri Vimarsh" presented in National Conference organized by Moti Lal Nehru College "Aayojit", 2014.

Dr. Sangeeta "Media aur Sahitya" presented in National Conference organized by Moti Lal Nehru College "Aayojit", 2015.

Dr. Kalpana Kataria: "Muslim Women Discourses in Aligarh Movement and Sir Syed Ahmad Khan" in 24th International Pakistan History Conference: History and Historiography of South Asia held on 14th-16th April, 2014, at University of the Punjab, Lahore, Pakistan.

Dr. Anubhuti Maurya: "Of Tulips and Daffodils: The Imaginary of Kashmir Jannat Nazir in the Political Landscapes of the Mughal Chronicles", St. Antony's College, Oxford University, 14 – 15 May 2015

Dr. Anubhuti Maurya: "Early English Travellers in Kashmir: Adventures in Ethnographic and Economic Reconnaissance", in *Anglo – Indian Corporate Connections in the Seventeenth Century*, organised by Centre for Political Economies of International Commerce, University of Kent, 15 January 2015

Dr. Anubhuti Maurya: "Kashmir Jannat Nazir: Landscapes of Mughal Imagination", in the seminar *Historical in Literary Narrative*, at Lady Shriram College, Delhi University, 31 October - 1 November 2014

Bhawna Pillai: 'Journey and Migration: Studying the Makings of the Indian Diaspora' in Amitav Ghosh's *Sea of Poppies* for Indian Council of Cultural Relations' International Conference on Indian Diaspora, Past, Present and Future in Delhi in February 2015

Conferences Organized/ attended

Asha Tiwari : "Arvacheen Sanskrit Sahitya Mein Pro ILA Ghosh Ka Yogdanam" in National Seminar organized by Sanskrit Academy, 27 February-1 March, 2015.

Sangeeta "Meer aka Kavya aur istri Vimarsh" National Conference organized by Moti Lal Nehru College "Aayojit", 2014.

2015. "Media aur Sahitya", National Conference organized by Moti Lal Nehru College "Aayojit".

Kalpna Kataria : "Muslim Women Discourses in Aligarh Movement and Sir Syed Ahmad Khan" in 24th International Pakistan History Conference: History and Historiography of South Asia held on 14th-16th April, 2014, at University of the Punjab, Lahore, Pakistan.

Dr. Anubhuti Maurya "Early English Travellers in Kashmir: Adventures in Ethnographic and Economic Reconnaissance", in *Anglo – Indian Corporate Connections in the Seventeenth Century*, organized by Centre for Political Economies of International Commerce, University of Kent, 15 January 2015.

"Kashmir *Jannat Nazir*: Landscapes of Mughal Imagination", in the seminar *Historical in Literary Narrative*, at Lady Shriram College, Delhi University, 31 October - 1 November 2014.

Bhawna Pillai: 'Journey and Migration: Studying the Makings of the Indian Diaspora in Amitav Ghosh's *Sea of Poppies*', Indian Council of Cultural Relations' International Conference on Indian Diaspora, Past, Present and Future in Delhi in February 2015.

Asha.Tiwari: "Arvacheen Sanskrit Sahitya Mein Pro ILA Ghosh Ka Yogdanam" in National Seminar organized by Sanskrit Academy, 27 February-1 March, 2015.

Contributions to e-portals:

Faculty of Bharati College has also contributed towards e-content development for the undergraduate and post-graduate courses on DU's e-portals of Institute of Life Long Learning through vle.du.ac.in and eppathshala portal. Ms. Romila Aggarwal, Dr. Saloni Gupta, Dr. Poonam, Dr. Bindu Kohli, Dr. Anupama Mahajan, Ms. Nishtha Bhushan, Ms. Monica Arya, Ms. Sonia, Ms. Roopa Johri, Ms. Rati Dhillon, Mr. Alok Anand, Ms. Reena Talwar, Ms. Kamna Virmani, Ms. Ruhi Ghai, Ms. Krishna Singhal, Ms. Sonal Jain, Mr. Anurag Maurya, Ms. Arshi Zareen, Mr. Anuj Jatav and Ms. Deepika Dewan have contributed for the development of e-content.

Conferences Organized/ Attended

National Research Seminars in joint collaboration with Kalidasa Academy of Sanskrit, Music and Fine Arts, Delhi Sanskrit Academy and WAVES (Wider Association for Vedic Studies) on a variety of topics of Research and centred around Kalidas and the other Sanskrit texts.

National seminar on "Criticism and Environmental Praxis: An Academic Approach towards Ecological Humanism".

"Aaghaz" - National Seminar on Violence, History and Politics in association with Department of Political Science, Bharati College funded by Orient Blackswan Publishers and Primus Books
The Delhi chapter of 'Yeats and Kipling: Retrospectives, Perspectives', an international conference series being organized from 10th to 18th March 2015 by our Department in collaboration with the Department of English, Saurashtra University, Rajkot and The Oberoi Cecil, Shimla.

Vanijya Samiti of Department of Commerce organized a lecture on "Emerging issues on the New Company Law" on 29th September, 2014 by Prof. J. P. Sharma (Head, Department of Commerce, Delhi School of Economics, University of Delhi).

Vanijya Samiti also organized a lecture on "Understanding Capital Market" on Saturday 4th October, 2014. Prof. J. K Bareja (Associate Professor, Shyam Lal College (E), University of Delhi) was invited to deliver the lecture.

Vanijya Samiti organized a seminar on "Career in Finance after Graduation on 13th January, 2015. The seminar was conducted by Mr.Vineet Jain, Head of Department of Indian Institute of Financial Planning. It was organized for final year students to enlighten them on the various job profiles available for graduates in finance.

An International Seminar titled “Banking Sector: Issues and Challenges” was organized by the Commerce Department. Two speakers Prof. Kent Matthews from Cardiff University and Mr. P. C. Chhabra from Banking Industry were invited to share their thoughts on the subject. Speakers shared their thoughts on the topic, “Throwing the Banker out with the bonus”. The theme was set in the backdrop of the financial crisis triggered by the collapse of Lehman Brothers, a sprawling global bank, in September 2008, which almost brought down the world’s financial system. Department of Sanskrit organized Sanskrit Saptah during August 2014 for students of Bharati College.

Faculty Strength: Permanent - 49; Temporary - 1; Ad hoc - 63

Number and names of domestic/international MOUs signed with partners

The college has had MOUs/Collaborative arrangements with the following:
MoU with Regional English Language Office (RELO), U.S. embassy, New Delhi
MoU with NIIT Ambit Computing Pvt. Ltd. to qualify NIELT.
Collaborative arrangement with Institute of Mass Communication for a course in Journalism.
Agreements with CA firms, banks, insurance companies for internship of students

Extension and Outreach Programmes

Number of camps organized- 3
Number of people enrolled/covered in the camps- 75 students (25 Students per camp)
Number of students who worked in the camps-75 students (25 Students per camp)
Total number of hours dedicated in these camps- 15 hours per student (Approximately)

Journals subscribed

Number of international journals subscribed (online + paper back version): 8
Number of national journals subscribed (online + paper back version): 34
The library of the college subscribes to about 34 National & 8 International journals. The bound volumes and loose issues of periodicals are available for consultation only.
The access to online research publications through N-List and OPAC is also provided to all faculty members from where they can have access to research papers published in reputed journals.

BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

Activities and Achievements

The college organized different Seminars/Conferences/Workshops in different fields such as Solid State Chemistry, Packaging Technology, Electrical Instruments, Printing Circuit Board Designing, Bomb Calorimeter, Wireless Robotics, Virtual Learning Environment and Bio fuels etc.

Dr. Geeta Bhatt, Associate Professor, Department of Instrumentation, on being conferred with the 'Best Teacher Award' for the academic year 2013-14 by the Directorate of Higher Education, Government of NCT of Delhi. Dr. Anand Bharadwaj, Associate Professor, Department of Physics has been honoured with this award for the year 2014-15. Dr. Ranjeet Thakur, Librarian of our college, who has been conferred with 'Distinguished Faculty Award' on the occasion of Diamond Jubilee Celebrations of Delhi Library Association (DLA).

Honours/Distinctions

Dr. Meenakshi Garg was awarded for Best Display in business category for UGC major project entitled “Effect of religious fasting on weight loss of Indian adults” .

Dr. Geeta Bhatt, Associate Professor, Department of Instrumentation, on being conferred with the 'Best Teacher Award' for the academic year 2013-14 by the Directorate of Higher Education, Government of NCT of Delhi.

Dr. Ranjeet Thakur, Librarian of our college, who has been conferred with 'Distinguished Faculty Award' on the occasion of Diamond Jubilee celebrations of Delhi Library Association (DLA).

Continuation of Star College Grant under the “Strengthening Component of the Star College Scheme” to Biochemistry, Biomedical Science, Food Technology and Microbiology.

Research Projects

S. No.	Project Code	Title of the Project	Principal Investigators (Departments)
1	BCAS-201	Low-cost electricity generation using Bio-Photovoltaic Technology – a Green Energy Initiative	Dr. Geeta Mongia, Electronics, Dr. Inderbir Kaur, Electronics, Dr. Ruchi Gulati Marwah, Microbiology.
2	BCAS-202	Agro Waste Material Management: From Waste to Wealth	Dr. S. K. Shukla, Polymer Science Dr. Anand Bharadvaja, Physics Dr. Rizwana, Food Technology
3	BCAS-203	Public Awareness and Evaluation of Probiotics sold in Delhi	Dr. Shalini Sehgal, Food Technology Dr. Tejpal Dhewa, Microbiology Dr. Neha Bansal, Microbiology
4	BCAS-204	Screening and Enrichment of Polymer degrading micro-organisms and their application in Environmental Engineering	Dr. Vijay Kumar Nalla, Microbiology Dr. Siddharth Sirohi, Polymer Science Dr. Krishna Dutt, Polymer Science
5	BCAS-205	To prepare edible packaged low cost healthy snack from fruit and vegetable waste and its effect on healthy respondents	Dr. Meenakshi Garg, Food Technology Dr. Susmita Dey Sadhu, Polymer Science Dr. Shivani G. Varmani, Biomedical Science
6	BCAS-206	Assessment of brominated flame retardants in mobile phones, their consumption pattern in North India and carbon footprints from electronic waste	Dr. Geeta Bhatt, Instrumentation Dr. Manoj Khanna, Electronics Dr. Balram Pani, Chemistry Dr. Renu Baweja
7	BCAS-207	Understanding the Burden of Vitamin B12 and Folate Deficiency in Young Indians	Dr. Purnima Anand, Microbiology Ms. Arti Batra, Computer Science Dr. Parvinder Kaur, Biomedical Science
8	BCAS-208	Lifestyle Interventions in Stress Management: A study among Delhi Youth	Dr. Madhulika Bajpai, Human Communication Dr. Eram S. Rao, Food Technology Dr. Ragini Jindal, Mathematics

9	BCAS-209	Genetic curation of ataxia phenomes for establishment of predictive and rapid diagnostic paradigm	Dr. Uma Dhawan, Biomedical Science Mr. Bhavya Deep, Computer Science Dr. Pawas Goswami, Microbiology
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Library Development

The Library has a collection of 23120 volumes. Library circulation (number of issue and return of books) reached the figure of 38398 during the period from July 2014 to March 2015. Library organized an Orientation Programme for all the students of first year. It also guided the students, in batches, for using of N-List e-Resources. The Library blog is being updated time to time. Ever since the start of the blog, 22240 page views (as on 31 March 2015, 1910 hrs.) have been recorded from various parts of the globe. The Library imparted training to the 5 students of C Lib Sci and Diploma in Lib & Inf Technology of Delhi Library Association.

Publications

Kaur, A., Singh, I., Kumar, J., Bhatnagar, C., Dixit, S. K., Bhatnagar, P. K., Mathur, P. C., Covas, J.A., Paiva, M. C. (2015) Enhancement In the performance of multi walled carbon nanotube: poly (methylmethacrylate) composite thin film ethanol sensors through appropriate nanotube functionalization. *Material Science in Semiconductor Processing*; 31, 166-174.

Sharma, P., Tomar, S.K., Goswami, P., Sangwan, V., Singh, R. (2014) Antibiotic resistance among commercially available probiotics. *Food Research International*. 57: 176-195.

Sadhu, S. D., Soni, A., Varmani S. G., Garg, M. (2014) Preparation of starch-polyvinyl Alcohol (PVA) Blend Using Potato and study of Its Mechanical Properties. *International Journal of Pharmaceutical Invention*; Volume 3, Page 33-37.

Sadhu, S. D., Soni, A., Varmani S. G., Garg, M. (2014) Review: Polymers In Energy Harvesting; *International Journal of Engineering Science Invention*; Volume 3; Issue 4; page 01-05.

Garg, M., Sharma, S., Varmani, S., Sadhu, S. (2014) Drying kinetics of thin layer pea pods using tray Drying. *International Journal of Food and Nutrition Sciences*. Volume 3 (3): p 61-66.

Sirohi, S., Singh, D., Nain, R., Parida, D., Agrawal, A. K., Jassal M. Electrospun Composite.Nanofibres of PVA Loaded with Nano encapsulated n-Octadecane, *RSC advances*, Volume 44 (5) 34377-34382.

Nalla, V.K., Kamthan, M., Ruhela, D., Kamthan, A., Maiti, P., (2014) Characterization of a Putative Spindle Assembly Check point Kinase Mps1, Suggests It's Involvement in Cell Division, Morphogenesis and Oxidative Stress Tolerance in *Candida albicans*. *PLoS ONE* 9(7):e101517.doi:10.1371/journal.pone.0101517.

Sehgal, S.and Negi,A. (2014)Nanotechnology : Recentand Emerging Applications in FoodIndustry *International Journal of Science and Research (IJSR)*, Volume 3 Issue 5, 995-1000.

Sehgal, S. and Mehta, S. (2014) Use of Antimicrobial Dips for the reduction of surface microbial load of fresh fruits sold in South Delhi Markets, India. *International Journal of Current Microbiology and Applied Sciences* Volume3, Issue 6,12-138.

Srivastava, S. (2014) Model transformation Approach for a Goal Oriented Requirements Engineering based WebGRL to Design Models. International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-3, Issue-6, pp66-75.

Conferences organized/attended

9th National Conference on ‘Solid State Chemistry and Allied Areas (ISCAS-2015)’ organized by Bhaskaracharya College of Applied Sciences, University of Delhi in association with *Indian Association of Solid State Chemists and Allied Scientists* at Conference Centre of Delhi University from May 8-10, 2015.

Organized three-day workshop on “Statistical Analysis of Biological Data” for undergraduate students at BCAS, University of Delhi from October 9-11, 2014.

Workshop “Laboratory Staff Skill Development Program” organized by BCAS, University of Delhi sponsored by DBT Star College Scheme, December 15-18, 2014.

National Workshop entitled “Printed Circuit Board Designing” which was held in the college during March 24-26, 2015 and in collaboration with Tevatron Technologies Pvt. Ltd.

Coordinated a National Seminar on “Advancements in Packaging, Food and Social Impact” held at Bhaskaracharya College of Applied Sciences on November 3, 2014.

Faculty Strength: Permanent : 47 ; Ad hoc : 33

BHIM RAO AMBEDKAR COLLEGE

Honours/Distinctions

The college won special commendable award of Rs. 1 Lakh cash in Good Practices Stall in ‘Antardhvani-2015’

Mrs. Pratibha Verma, Associate Professor, Department. of Business Economics awarded with the Best Teacher Award by Delhi Government.

Research Projects

An innovative project awarded to (Faculty: Dr. Rakesh Shahani, (PI), Dr. K. M. Bansal & Dr. (Mrs) Nishi Sharma & Students: Ten undergraduate students from BBE and BMS) by University of Delhi; *Modeling EMI of Home Loans: A Study of Qualitative and Quantitative Variables* is in final stages of completion.

Library Development

The college library with approximately 28,000 books is fully computerized with online facilities accessible to students and faculty members. About 1900 new books were added this year. The library subscribes around 127 periodicals, 92 in English and 35 in Hindi. The college has made special provision to help economically weak students by providing books to them through Students’ Aid Fund (SAF) Scheme. This year 93 books have been purchased for SAF and distributed to 88 students. Besides, the library is providing other important facilities such as: Space for 100 readers; separate space for teachers to study; OPAC (Online Public Access Catalogue) facility to every reader; N-lists (E-Journals) for faculty, staff and students; Separate consultation section for reading on Ambedkar,

Gandhi, Nehru & other personalities; Dictionaries in each floor for consultation; A Display Board inside the library to inform about Book Fairs, Exhibitions, Seminars and Workshops; Air conditioned cabin exclusively for the use of physically challenged persons and New Data section, Not to be issued Text book section and important old journals, etc.

Publications

Dash, Bishnu Mohan : “Child Labour in Informal Sector” Discovery Publishing House, New Delhi
Book review “ The Black Power Movement and American Social work”by J.M.Bell, New York, Columbia University press, published in Journal of Social Work Values and Ethics, Fall, Vol.11 No.2, pp.83-84 (Published by Association of Social Work Boards, Columbia, USA)

Arora, G. K. : “Globalizing India and Inter-State Disparities”, published in Resources and Regional Development in India, by Dr. Rameshwar Thakur et al, Rawat Publications, Delhi ISSN No. 978-81-316-0641-4 page no. 197.

Verma,Jaya. : “Historical Transition from Cultural Entrepreneurs to Commercial Entrepreneurs: A Case Study of Handloom Weavers of North East India” in Journal of Business Management and Information Systems, Volume1, December Delhi.

Prasad,Ramashray.: “Our India: Social Studies” as Subject Advisor to be published by State Council of Education, Research and Training (SCERT), Delhi and added in the running course from April 2015; edited a book for class VI-VII “Social Science” as Subject Advisor to be published by State Council of Education,

Research and Training (SCERT), Delhi and it is to be implemented from April 2015. And also edited a book for class VIII “Social Science” as Subject Advisor to be published by State Council of Education, Research and Training (SCERT), Delhi and it is to be implemented from April 2015.

KumarSujit co-authored an article entitled “Transforming Organization through Efficient HR practices in Power Sector” in December, 2014 issue of IFRSA Business Review, (IBR)

Conferences Organized/Attended

National

Dr. Tushti Bhardwaj conducted two days workshop on “Scale Development and Adaptation” for Research scholars in Department of Social Work, University of Delhi, March 2014.

Dr. Sangeeta Sharma Dhoar presented paper on *The Un-reached Goal:The study of Challenges faced by the HIV Positive women in Delhi, India* in the International Conference on "Women and Millennium Development Goals: Social Work Response and Strategies" organized by Faculty of Social Work, MSG University, Vadodhara, Gujrat and University of South Carolina on 13-14 February, 2014.

Dr. Jaya Verma presented a paper “Handloom as a Non-Commercial/ Cultural Household Enterprise in North- East India” in the National Seminar, organized by Satyawati College Evening, University of Delhi on 21st November 2014.

Dr. R.N. Dubey presented a paper “Crime and Place in DMA” in NAGI, Jaipur 17-19 November 2014 and co-chaired a session in NAGI, Jaipur 17-19 November 2014.

International

Dr. Navin Kumar, “Role Expectations and Role Strain across three Generations and its impact on well-being in a joint family and nuclear family: An Indian Study”, in “International Congress of Applied Psychology” at Paris, France .

COLLEGE OF VOCATIONAL STUDIES

Activities and Achievements

Mr. Vibhor Varshney and Mr. Sunny Bansal students of B.Sc. (H) Computer Science. 3rd year have been involved in various projects by Enactus and College Placement Cell. Students of B.A. (Vocational Studies) Tourism Management got placement in organizations of repute like TCM Travel Solutions, AMADEIS, VFS, SOTC, LUFTHANSA, THOMAS COOK, etc. Department of Tourism conducted an Innovation Project along with Departments of History and English. The project was awarded the ‘Best Innovative Idea’ by University of Delhi among 250 projects

Honours/ Distinctions

Dr. Inder Jeet , Principal of the College was appointed by CBSE as Coordinator for the conduct of UGC –NET Exam, December, 2014 He has been nominated as member of the Academic Council of University of Delhi for 2 years.

Dr. Inder Jeet was nominated as an expert member of a Committee of All India Council for Technical Education to consider applications for registration of institutions and Skill Knowledge Providers under NVEQF.

Dr. Harjender S. Chaudhary, Associate Professor of Hindi Department, delivered a lecture focused on the Present perspective of Indo-Japan relations and Hindi Teaching in Japan on the occasion of Interaction Programme organized for a group of students from Tokyo University of Foreign Studies at Dr. B. R. Ambedkar College, Delhi University on 24th February, 2015.

Dr. Vinay Kumar Jain, Associate Professor of Hindi Department, has been awarded by RITURAJ SAMMAN-2014 on 29-08-2014 at PHD Chamber of Commerce & Industry, Khel Gaon, New Delhi. He was also invited to recite poems in the esteemed KaviSammelan of GANNTANTRA DIWAS on 16th January, 2015 at Red Fort, Delhi. Participated in KaviSammelan organized by All India Confederation of the Blind, C-Dot, Income Tax Association also.

Dr. Richa Malhotra did a course in ‘Dimensions of Teacher Policy’ in 2014 from ‘The World Bank Institute’.

Research Projects

Awarded to the individual teachers:-Innovation Project (Dr. Kumar Ashutosh , Dr. (Mrs.) M. Geetha, Dr. Kumar Ram Krishna).

Library Development

Total budget: 10 Lakhs

Number of books and journals added:

Books: 1954, Journals: 14

Internet facilities upgraded: Wi-Fi Connectivity, Laptop Connectivity & E-Resources to library users Through INFLIBNET Facilities.

Publications

Dr. InderJeet, Principal of the College co-authored a book titled “Corporate Law” which has been published by Galgotia Publishing Company.

Dr. Surender Singh, Department of Commerce published a book titled “Cost Accounting”.

Conference Organized/ Attended

Dr. Inder Jeet, Principal of the College co-presented a Paper Titled “Empirical Analysis of Weak Form of Efficiency in Indian Stock Market-A Case of Event Studies” and has been published in Journal of Business Studies.

Dr. Harjender S. Chaudhary, Associate Professor of Hindi Department, attended a seminar focused on "AsmitaVimarshaur Hindi Aalochana" in Social Sciences Ext. Building in Delhi University Campus on 04th February, 2015.

Dr. Surender Singh, Associate Professor, Department of Commerce has presented a Paper in an International Conference held at Hanyan,University Seoul South Korea.

Dr. Sunil, Assistant Professor, Department of Commerce has presented a Paper in an International Conference held at Hanyan,University Seoul South Korea.

Faculty Strength: Permanent - 51; Temporary - 01; Ad hoc - 29

Financial Allocation and Utilization

Grant Sanction in Rs. 181818256

Utilized in Rs.128294514

Placement Details

Number of Students getting successful placements: 100 Students (Approx).

Number of Companies/ Industries coming for campus recruitment: 22

Number of Repeat recruiters: 03

Extension and Outreach work

Number of Camps organized in surrounding areas	:	4
Number of people enrolled/ covered in camps	:	1500
Total number of hours dedicated to these camps	:	40 hours

Journals Subscribed

Number of National journals subscribed (online + paper back version)	:	14
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COLLEGE OF ART

Honours/Distinctions

College of Art Designed Logo and formulated Theme for International Fleet Review 2016. Kenneth Chawang, MFA Student was awarded a cash of Twenty Five thousand from Admiral Kishan K. Pandey, VSM in Flag Officer Fleet Review, and Indian Navy for logo.

Students of this College painted walls at Shanker Market, Graffiti at Connaught place on women empowerment, painted 10+ canvas on Ped Fed event at Delhi Haat to create awareness about animal adoption and also painted canvas to give a tribute to the shaheeds of Kargil.

Digbijayee Khatua, MFA Painting student got Best award for Painting from AIIFACS.

Girah, a short fiction film by Department of Visual Communication was selected at Delhi International Film Festival.

Dr. Meera saravanan, Associate Professor, designed the Logo for the Defence Estate Department and Smt. Sumita Kathuria, Asstt. Professor nominated as a subject specialist in the field of photography to conduct interview at DSSSB, Govt. of NCT of Delhi.

Library Development

Total budget	:	Rs.4 Lakh p.a.
Number of books added	:	620
Journals subscribed to	:	25

Conferences Organized/Attended

Dr. Meera Saravanan, Associate Professor participated and presented a research paper titled “Role of Working Women in Contemporary Advertising” in an International Seminar, at the Kumaun University, SSJ Campus, Almora, Uttrakhand, on 15th Feb, 2015.

Dr. B.S. Chauhan, Associate Professor participated and presented a research paper titled “Indian Maa in Advertising” in International Seminar at Kumaun University, SSJ Campus, Almora, Uttrakhand, on 15th Feb, 2015.

Sh. Ch. Omkarachari, Asstt. Professor, participated and presented a research paper titled” Mother in Indian Culture” in an International Seminar at Kumaun University, SSJ Campus, Almora, Uttrakhand, on 15th-16th Feb, 2015.

Dr. Kumar Jigeeshu, Asstt. Professor, participated and presented a research paper titled” Promotional Aspects of Mother in Indian Advertising ” at Kumaun University, SSJ Campus, Almora, Uttrakhand.

Faculty Strength: Permanent -16

Placement details

Number of students getting successful placements: 80%

Number of Companies/Industries coming for campus recruitment - Many advertising agencies, Art studios, Publications Houses, NIIT, Art Galleries take students for placement.

Number of repeat recruiters - Advertising Agencies

COLLEGE OF NURSING, ARMY HOSPITAL (RESEARCH AND REFERRAL)

Activities and Achievements

WHO day celebrated on 7th April: A nursing symposium on vector borne diseases, poster competition and quiz competition conducted on WHO theme. All students actively participated in the programme.

College Inauguration: College of nursing inaugurated on 26 Aug 2014. Virtual lamp lighting and unveiling of mission statement, release of information brochure under the presence of chief guest Air Marshal DP Joshi PVSM, AVSM, PHS, DGAFMS.

Honours/Distinctions

Col Punita A Sharma, Principal, College of Nursing has been awarded Chief of Army Staff commendation on 01 Jan 2015.

Research projects

Lt Col Dola Banerjee, Associate professor: Descriptive study to assess the adherence to existing protocol of needle stick injury among health care workers at a tertiary health care hospital.

Maj Soni Rawat. Tutor: Descriptive study to evaluate the knowledge and procedure among nursing officers of army hospital(R&R) regarding patient safety while performing nursing practice.

Capt K Lavanya, Associate professor: Study to assess the knowledge and attitude towards organ donation among serving army personnel and families.

Maj Rajusharaju, Assistant professor: Comparative study to assess the effect of Kangaroo mother care vs conventional care to pain response from routine among neonates in tertiary care hospital.

Library Development

Total No of books : 11391

Total no. of Journals subscribed

National : 12

International : 29

Publications

A Information Brochure on AH(R&R) for new entrance has been released on 26 August, 2014.

Conferences Organized / Attended

College of Nursing students attended CME on Radio imaging update.

GNM students organized a Workshop on "waste management".

Workshop on "SURAKSHA"; Needle stick injury prevention organized by CON and BBraun.

A Breast Cancer awareness forum for Breast cancer protection organized by Army Wives Welfare Association.

CME on kidney health for all organized by Department of Nephrology, PGIMER, Dr. RML hospital and AIIMS.

A workshop on soft skill training organized by CON,AH(R&R) conducted on 14 March, 2015.

Financial Allocation and Utilisation

ACG grant : Rs560654/-
TTIEG grant : Rs1177470/-
ATG grant : Rs 751035/-

Allotted funds have been utilised as per the requirement.

Placement Details

Twenty GNM students have been passed out from this institution in 2013-14 and all were commissioned as lieutenant in Military Nursing service.

Extension and Outreach Work

Students staged one role play on Breast feeding and complimentary nutrition.

Students actively participated in a health camp which was organized at NCC parade ground by Army wives welfare association to create an awareness on breast cancer and early detection for Armed forces personnel and families.

Students performed a Role play on female foeticide, Mime on women empowerment and healthgalli on menstrual hygiene, in Ex-servicemen rally organized at Jajjhar, Haryana and the cheif guest for the rally was Chief Of Army Staff: Gen Dalbir Singh Suhag,PVSM,UYSM,AVSM,VSM,ADC.

A Nutrition Health mela was organized for the patients of Army hospital R&R on focussing on therapeutic diets.

DAULAT RAM COLLEGE

Activities and Achievements

The college has been awarded the “Star Status” by the Department of Biotechnology, Government of India, the credit for which goes to departments of Biochemistry, Botany, Chemistry and Zoology. The college has also bagged six innovation projects in the year 2014-2015. In collaboration with Spic Macay, the college organized Bharatnatyam and flute performances by great artists like PadamShri Ms. Geeta Chandranji and Padma Vibushan Pt. Hari Prasad Chaurasiaji respectively. The North East Interface: Elixir, 2015, a festival for the North Eastern states was organized with Shri Kiren Rijiju, Hon. Minister of State for Home Affairs as chief guest. The college celebrated “Louis Braille Jayanti Samroah” and “Good Governance Day”. Keeping in mind the safety of girl students, the NSS wing in collaboration with the Delhi Police, organized a self-defense programme. An interactive lecture was given by Prof. Geoffrey T. Fong, Professor of Psychology, University of Waterloo, Canada on “Science and Public Health” on 27th October, 2014. Eminent Paleobotanist Professor David Dilcher of Indiana University gave a talk on “What scientist can tell us the future? Insights into global climate change” on 6th February, 2015.

Honours/Distinctions

Dr. Meetu Khosla, Associate Professor, Department of Psychology, was awarded Erasmus Mundus Fellowship (2014-2015) and Collaborative Institutional Training Initiative, Online research Ethics Module, University of Miami (2014).

Dr. Sunita, Associate Professor, Department of Commerce, was conferred “National Award” for the second time in a row from National Centre for financial Education (NCFE) for promoting NCFE-FLAL, 2014-2015 Examination among schools.

Dr. KusumLata, Assistant Professor, received ‘Teaching Excellence Award’ from University of Delhi for the academic session 2013-14 on 1st May, 2014.

Research Projects

“Bio-makers of heat stress and acclimation” Projector Coordinator – Dr. Sarita Nanda, Project code: DR-201.

“Controlling heavy metal soil pollution by phytoeremeditation: a greener and sustainable approach” Project Coordinator – Dr. Rekha Kathal & Dr. Priti Malhotra, Project code: DR-202.

“Bio-inspired copper nano particle and tis applications as antibacterial agent” Project Coordinator – Dr. Meena Khetrapal & Dr. Darshan, Project code: DR-203.

“How safe are our detergents: a comparative study and development of bio detergents” Project Coordinator – Dr. Padamshri Mudgal, Project code: DR-204.

“Potential of tourism in national capital region and NCR” Project Coordinator – Dr. Indu Jain, Project code: DR-205.

“Developing a framework for e-governance in Daulat Ram College” Project Coordinator – Dr. Pooja Jain, Project code: DR-206.

Ongoing project sponsored by ICSSR (2012-15), “The Shared Spaces: exploring the boundaries, barriers and bridges in contemporary India”. Dr. Preeti Kapur, Associate Professor, Department of Psychology.

E-Pathshala Project sponsored by UGC, MHRD (Ongoing). Dr. DeepshikhaMahantaBortamuly, Assistant Professor, Department of English.

E-Pathshala project spondered by UGC, MHRD (Ongoing). Dr. Pooja V. Anand, Assistant Professor, Department of Psychology, (Coordinator & writer of modules).

E-Pathshala project sponsored by UGC, MHRD (Ongoing). Dr. Rajni Sahni, Associate Professor, Department of Psychology (Coordinator & writer of modules).

Library Development

Latest books, journals, Magazines and other periodicals are added every year looking at the needs of students. Efforts are also made to introduce the students to various fields and topics to enhance their general awareness. It is equipped with the latest technical facilities alongside a developed Braille

Section with a software of Braille (Angel: Talking Digital Pocket Daisy Player, E-Book Reader, Mp3 Player, Radio Cum voice Recorder) for the benefit of differently abled students.

Publications

Joshi, Sunita&Dhamija, Neeru (Feb., 2015). “Rediscovering Genetics with Drosophila”, Indian Academy of Sciences.

Mishra, Girishwar&Kapur, Preeti (2014). “Recovering the potentials of non-western psychological perspective: combining Chinese and Indian Perspectives” Culture and Psychology Vol.20, 440-450.

Dr. Kavita Sharma, 2014, “Fitness, Aerobics & Gym Operation’, Jyoti Enterprises Delhi, India, ISBN 978-81-89580308.

Dr. Md. Haider Ali, 2014, Research Paper “Backward Caste Muslim Politics in Pre-Independence Bihar: An Overview”, International Journal of Society and Humanity (IJS), ISSN-2319-2070/Vol 4/2014.

Dr. Md. Haider Ali, 2014, Research Paper “Backward Caste Mobilization in Pre-Independence Bihar: 1930-1947” Global Journal of Legal Studies, Vol. II, No. 2/2014/ISSN-2277-7296.

Dr. Indu Jain, article entitled, “Comparative Analysis of Individual Income Tax Rate Structure of Selected Countries”, Taxman, Volume 224, Issue 6, page no.195, ISSN 0972-8198.

Dr. Moitree Bhattacharya, paper entitled ‘Parliamentary Control Over Executive: Question Hour’ in B.D. Dua et.al (eds.), The Indian Parliament; Changing Landscape, Manohar, New Delhi, 2014, (ISBN 978-93-5098-051-4)

Dr. Pooja V. Anand, Chapter titled “Intelligence” published in the book titled The Psychological Realm: An Introduction edited by Chadha, N.K. & Seth, S., published by Pinnacle Learning (2014).

Dr. Moitree Bhattacharya, Review of P. Chhattopadhyay’s ‘Self-Finance of Local Government: Experience of West Bengal Panchayat’s in Indian Journal of Public Administration, Vol. LX, No. 2, pp. 374-375, (ISSN 0019-5561).

Conferences attended

Dr. Shashi Sharma, presented a paper “Suvarnaprabhasasutram :EkParichay” at the 14th annual conference of the Indian Society for Buddhist Studies organized by Iswar Saran Degree College, University of Allahabad, 10th to 12th October, 2014.

Dr. Meetu Khosla, (2014, April). Meditation techniques. Workshop presented at the Department of Psychology and Women Studies, The Pennsylvania State University, University Park, PA.

Dr. Swasti Alpana, Presented research paper entitled “Madhubani Painting: A Domain of Women Artist” at the International Feminist Art History Conference at American University on October 31, 2014.

Conferences Organized

Dr. Anju Jain, conducted one day seminar on 26th Dec. 2014 as part of Good Governance Day celebrations at Daulat Ram College on the topic “Use of technology”

Faculty Strength: Permanent- 64 ; Ad hoc - 120

Placement details

No. of Students getting successful placements – 109

No. of Companies/Industries coming for campus recruitment-7

Number of repeat recruiters-5

Journal subscribed

Number of international journals subscribed (online + paper back version) - 42

Number of National Journal subscribed (online + paper back version) - 2

DEEN DAYAL UPADHYAYA COLLEGE

Activities and Achievements

The first college under University of Delhi to have undergone National Assessment & Accreditation Council (NAAC) accreditation. In the survey conducted by Nielsen on behalf of India Today Group, the college is ranked 9th among the colleges under University of Delhi and 36th among the colleges all over India in Science stream, for the third consecutive year.

The Robotics Club of the college under the e-YANTRA Laboratory set-up Initiative (eLSI) programme of IIT Bombay, won consolation prize in the e-YANTRA teacher's competition held at IIT Bombay in April, 2014. The Club organized a three day workshop for the students on Introduction to Robotics in September, 2014 and a two day inter-college workshop on "QUADCOPTER" in January, 2015.

The college organized a one day International Seminar on "Some Aspects of Religion and Sea-Route Trade (c.AD 1500-1800), on 7th August, 2014 which was inaugurated by the Hon'ble Vice-Chancellor, Prof. Dinesh Singh.

Honours/Distinctions

Dr. Yogieta S. Mehra: Best paper award for "Control of Inflation in Indian Economy : Evaluation of Monetary policy as an effective tool" at International Conference "India 2020 - Vision for the Financial Sector" organized by Sri Guru Gobind Singh College of Commerce, University of Delhi held from 10th to 11th March 2014.

Dr. Rampal, received Excellent Paper Award in The Tenth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP2014), pp.163-166, August 27-29, 2014, Kitakyushu, Japan.

Mr. Jyotishman Kalita: received "Teaching Excellence Award" from the University of Delhi, May, 2014.

Research Projects

Dr. Monika Bansal, is the Principal Investigator of the Major project: University Industry Interactions: Importance and Impediments from 1st Nov, 2013 - 31st March, 2015 funded by the Univ. of Delhi.

Dr. Sunil Kumar, is the Principal Investigator of the Major project: Agriculture Management: Prospects and Challenges (A Study of Farmers Perceptions towards Agriculture Management) from November 2013-31st March, 2015 funded by the Univ. of Delhi.

Dr. Yogieta S. Mehra is the Principal Investigator of the Major project: Risk Management Strategies of Indian Banks: A Comparative Analysis of different Categories of Banks

Dr. Nisha Rana, is the Principal Investigator of the Major project: University Industry Interactions: Importance and Impediments from 1st Nov, 2013 - 31st March, 2015 funded by the Univ. of Delhi.

Dr. Ratnesh R. Saxena, is the Principal Investigator of the Minor project: Dynamical study of weather of Delhi region

Dr. Mahaveer is the Principal Investigator of the Minor project: Agriculture Management: Prospects and Challenges (A Study of Farmers Perceptions towards Agriculture Management from November 2013-31st March, 2015) funded by the Univ. of Delhi.

Library Development

Total Budget	:	Rs. 9,60,000/-
Number of Books added	:	1612
Journals & Magazines subscribed	:	62
Internet facilities upgraded	:	Yes (University Fibre Optic Network and 2 Mbps MTNL connectivity)

Publications 92

Chadha Nidhi, Tiwari Anjani K, Kumar Vikas, Milton Marilyn D., Mishra Anil K. Oxime-dipeptides as anticholinesterase, reactivator of phosphonylated-serine of AChE catalytic triad: probing the mechanistic insight by MM-GBSA, dynamics simulations and DFT analysis. *Journal of Biomolecular Structure & Dynamics* (Taylor & Francis). DOI: 10.1080/07391102.2014.921793. (Impact Factor: 4.986)

Kumar Sanjeev, Wagh Mamta A., 2014, "Kothe Toeplitz duals of certain Bicomplex sequence spaces", *International Journal of Mathematics and Computer Application Research*, Vol. 4, issue 3, 87 – 98, Impact factor 4.2949.

Bhatia V, Maisnam J, Jain A, Sharma K, Bhattacharya R (2014) Aphid repellent pheromone E- β -farnesene is generated in transgenic *Arabidopsis thaliana* overexpressing farnesyl diphosphate synthase2. *Annals of Botany*. doi: 10.1093/aob/mcu250 (Online ISSN 1095-8290; Print ISSN 0305-7364; 5-Yr impact factor: 4.001)

Sunny Manohar, Mohit Tripathi and Diwan S. Rawat (2014) "4-Aminoquinoline based molecular hybrids as antimalarials: An overview *Current Topics in Medicinal Chemistry* 14, 1706-1733; Impact Factor: 3.45.

Peddisetty Pardha-Saradhi, Gupta Yamal, Tanuj Peddisetty, Peddisetty Sharmila, Shilpi Nagar, Jyoti Singh, Rajamani Nagarajan, Kottapalli S. Rao, 2014, Reducing Strength Prevailing at Root Surface of Plants Promotes Reduction of Ag^+ and Generation of Ag^0/Ag_2O Nanoparticles Exogenously in Aqueous Phase, *PLOS ONE*, Vol. 9, Pages e106715(1-13) Impact Factor: 3.534

Singh Pooja, Aggarwal Swati, Tiwari Anjani K., Kumar Vikas, Pratap Ramendra, Chuttani Krishna and Mishra Anil K. 2014., Bis(Methylpyridine)-EDTA Derivative as a Potential Ligand for PET Imaging: Synthesis, Complexation and Biological Evaluation. Chemical Biology & Drug Designing (Wiley). DOI: 10.1111/cbdd.12366. (Impact Factor: 2.469)

Singh, S. K.; Sharma, V. K.; Bohra, K.; Olsen, C. E.; Prasad, AK. (2014) Synthesis of triazole-linked LNA-based non-ionic nucleoside dimers using Cu(I)-catalyzed 'Click' reaction. Current Organic Synthesis, 11(5): 757-766. Impact Factor = 2.439.

Books / Monographs/ Chapters

Deepak Sehgal, Associate Professor in Commerce, 2014, 1st, Financial Accounting, Vikas Publishing House Pvt. Ltd., 961P, 9789325980846

Kumar, Sunil, Assistant Professor in Commerce (2014), Forecasting Poverty and Selected Measures of Alleviation in India, *Inclusive Growth: Challenges and the Way Out*, A.K. Publications (Delhi), pp.291-310, 978-93-83334-66-7.

Girish Sharma and Priya Goel, Assistant Professor in Zoology, "HIV and Cancer: Understanding the Deadly Relationship". In: "Biotechnology–Possibilities & Potential" [SM Paul Khurana and Machiavelli Singh (eds.)] Studium Press LLC., UK. Pp xx-xx, 2014. (In press).

Dr. H.C. Jain, Associate Professor in Commerce, published book "Computer Fundamentals and Essential Tools" ISBN: 978-93-83283-26-2, jan2015, International Book House Pvt. Ltd.

Dr. T.N. Chhabra, Associate Professor in Commerce published the books on Essentials of "Human Resource Management" Sun India Publications, New Delhi and "Principles of Marketing" 2014, SUN INDIA PUBLICATIONS, 2014.

Papers published in proceedings of Conferences

Ajay, Rakhi Narang, Manoj Saxena, and Mridula Gupta, (2014) "Ambipolar behaviour of Tunnel Field Effect Transistor (TFET) as an advantage for Biosensing Applications", IWPSD 2013, Physics of Semiconductor Devices, Environmental Science and Engineering, Springer International Publishing, pp 295-298, 2014. Available Online: 10.1007/978-3-319-03002-9_43

Veenu Bhasin, Punam Bedi, Anuradha Singhal Feature Selection for Steganalysis based on modified Stochastic Diffusion Search using Fisher Score :2014 International Conference on Advances in Computing, Communications and Informatics E-ISSN 978-1-4799-3080-7 pp 2323-2330

Charu Agarwal, Anurag Mishra, Arpita Sharma and Girija Chetty, "A Novel Image Watermarking Scheme Using Firefly Algorithm". International Conference on Artificial Intelligence and Software Engineering (AISE2014), January 11-12, 2014, Phuket, Thailand, pp 430-436.

Rampal Singh, Neelam Dabas, Vikas Chaudhary, Anurag Mishra, "On Extreme Learning Machine for Watermarking of an Images in Discrete Wavelet Transform Domain", in The Tenth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP2014), pp.163-166, August 27-29, 2014, Kitakyushu, Japan, (ISBN: 978-1-4799-5390-5).

Rampal Singh, Neelam Dabas, Vikas Chaudhary, Nagendra, Online Sequential Extreme Learning Machine for Watermarking, In International Conference on Extreme Learning Machine (ELM2014), pp.115-124, Singapore, (ISBN: 978-3-319-14066-7_12

Conferences Organized

International Conference in History on "The Asiatic Society, Indology and Indologists During Late 18th and 19th Centuries"(ASIIC), at Conference Centre, University of Delhi, 21st-23rd February 2014 funded by ICHR and ICPR (MHRD, Govt. of India).

One Day National Conference on "Emerging Issues in International Trade and Finance" Organized by Department of Management Studies at, Deen Dayal Upadhyaya College on 16th October, 2014.

One day International Seminar on "Some Aspects of Religion and Sea-Route Trade (c.AD1500-1800), on 7th August, 2014, at Deen Dayal Upadhyaya College Seminar Hall.

Fourth National Workshop on Recent Trends in Semiconductor Devices and Technology held on September 13-14, 2014 sponsored by DRDO.

One Day Seminar on Women in Science: A career in Science held on October 17, 2014 and sponsored by Women in Science Panel, Indian Academy of Sciences, Bangalore

Linux training and online Assessment test at DDU College in collaboration with Spoken Tutorial project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India during Sep-Nov 2014.

One day Workshop on "Research based techniques in Chemistry" on 10th October 2014.

Faculty Strength Permanent - 96; Ad hoc - 28

Financial Allocation and Utilization

Grant sanction in Rs.: Non-Recurring Grant of Rs. 26,19,571/- (Rs. 25,51,945/- under Plan Head and Rs. 67,626/- under Non-Plan Head)

Utilized in Rs. : 1,82,259/-

Placement Details

Number of students getting successful placements		
Number of Organizations Visited	:	14
Number of Students Participated	:	200
Number of Students Placed (On campus)	:	126
Number of Students Placed (Off campus)	:	5

Number of Companies/Industries came for campus recruitment : Hike Placements, eAge tutors, Smartican, Wipro, TCS, Axis Risk Consulting, ICAT, Draft and Craft {off campus}, Genpact

Number of repeat recruiters: 5 (WIPRO, TCS, Genpact, Protvity, Libsys)

Journals Subscribed

Number of international journals subscribed (online + paper back version) : 5800 (NLIST) + paper back version – 02)

Number of National journals subscribed (online + paper back version) : 200 (NLIST) + paper back version - 34

DELHI COLLEGE OF ARTS & COMMERCE

Activities and Achievements

Mr. Animesh Mohapatra (English) and Mr. Naseem Ansari (Economics) have submitted their Ph. D. theses. One Ph. D. and one M. Phil. dissertation were submitted under the supervision of Dr. V B Singh (Computer Science) and Dr. Chaitanya Kumar (Mathematics) respectively. Dr Deepti Taneja (Economics) was presented National Citizenship Gold Medal Award for specialized work in the field of Education by Global Economic Progress and Research Association in May, 2014 at Chennai. Ms Geetanjali Kala (Journalism) is on Deputation as Dean Academics, Delhi University. Mr Bhupinder (Commerce) successfully completed his NCC training and was awarded the rank of Lieutenant.

Research Projects

The College has completed three Innovation Projects of the University of Delhi:

1. New Media and Pedagogy: Promoting Liberal Arts Education: Neeru Ailawadi (History), Dr. Smita Banerjee (English) and Meera Malhan (Economics) 3 Lakhs.
2. Visualising Economic and Political Impact of Globalisation on Gaddi Tribe of Chamba District in Himachal Pradesh: S. K. Pandey (Political Science), Dr. O.P.Singh (History) and Mr. Bhupinder (Commerce) 3 lakhs.
3. Creating a more enabling environment for the differently abled students in Universities in Delhi through a drop-out prevention programme: Rashmi Sharma and Dr. Shalini Saksena (Economics) and Dr. K. Suresh (History) 3 .30 lakhs.

Dr Deepti Taneja (Economics) was awarded a contract of USD 5000 as Principal Investigator by International Food Policy Research Institute (IFPRI), Washington DC. to conduct the special session on food security at Mohanlal Sukhadia University, Udaipur, on behalf of IFPRI during the 97th Annual Conference of the Indian Economic Association on 29th December, 2014

Students with Distinctions

Navjeet Kaur secured third position in Inline Hockey in 16th Asian Roller Skating Championship held at Haining, China.

Arjun Tomar won Gold medals, with new meet record in the Hammer Throw in Delhi University Inter College Competition.

Dinesh, Gourav, and Amit Srivastava won Gold medals in Delhi University InterCollege Boxing Competition and they represented Delhi University at the All India Inter-University Boxing Competition.

Sanjay Puri won Gold medal in Delhi University Inter College Judo Competition and represented Delhi University at the All India Inter-University Boxing Competition.

The NCC Cadet of the college JUO Vipluv Avasthi attended Youth Exchange Programme in Bangladesh as the part of the Indian Delegation team of NCC and was awarded with the Best Cadet Award at National Integration Camp in Odisha, 8-19 October, 2014.

Library Development

Total Budget: Rs. 7.0 Lakhs

Number of Books and Journals Added: 1176.

Internet Facilities Upgraded: Wi-fi enabled.

Publications

Dr Shalini Saxena, Co-authored with Rashmi Sharma and K.S.Kumar (2015), *Opportunities and Barriers for Students with Disabilities: A case study of University of Delhi*. Apple Books, Delhi, India. ISBN 978-93-83996-50-6.

Dr. Devika Narula, "Narratology as a Tool in Gender Discourse", Edt. Lal,, Mohan, Sharma, Narula, Basra, *Gender and Diversity : India, Canada and Beyond*. Jaipur: Rawat Publishers, 2015. ISBN 978-81-316-0714-5

Dr. Smita Bannerjee, "Adapting Jane Austen to Hindi Cinema." Ed. Simran Chadha, *Bollywoodising Literature Forging Cinema :Adaptations &Hindi Cinema*, Research India Press New Delhi India 2015. ISBN: 978-93-5171-005-9.

Dr. Vinita Gupta Chaturvedi, "Woman's Body: The Gender Question in Fiction and the Media" Ed. Malashri Lal, et al, *Gender and Diversity: India, Canada and Beyond* Rawat Publications Jaipur 2015. ISBN 978-81-316-0714-5.

Dr. Santosh Bharti, "Gender and Identity: Indigenous Women as Symbols of Power" Ed. Malashri Lal, et al, *Gender and Diversity: India, Canada and Beyond* Rawat Publications Jaipur 2015. ISBN 978-81-316-0714-5.

Dr Mukesh Bagoria, "Role of Women in the Indian Independence Movement" in *Women in Indian Society*, Edt. Anju Beniwal, Partridge India 2014. ISBN no.978-1-4828-2138-3

Dr. Rajiv Chopra "Multi Rater Assessment and Feedback Systems, SAMBHAVYA," An International Research Journal Of Indian Cultural, Social & Educational Stream, ANK 16, January 2014 -March 2014, ISSN 0976-9358.

Dr. Deepti Taneja, "Measurement of Sustainability of Development", *InternationalAcademic Journal of Applied Economics*, Volume 5, November 2014 (ISSN: 2229-564).

Dr. V.B. Singh, "Predicting the Complexity of Code Changes Using Entropy Based Measures".*International Journal of Systems Assurance Engineering and Management* 5(2):155-164 (2014).

Dr. Anuradha Gupta, "On (n,k)-quasinormal weighted composition operators , *International Journal of Pure and Applied Mathematics*(2014),23-32.

"Some coupled fixed point Theorems on Quasi partial b-metric space", *InternationalJournal of Math. Analysis*,(9)(2015)293-306.

Conferences Organized/Attended

Dr Devika Narula: "Teaching Postcolonial Texts in a Postcolonial Situation/Context" at the International Conference on Academic Disciplines organized by the International Journal of Arts and Sciences, Joseph B. Martin Conference Centre, Harvard Medical School, Boston, Massachusetts, USA, 26-30 May, 2014.

Dr Anita Bhela: " Interrelationships and Intersections: Literature, Religion and Literary Theory" at the International Conference Fault Lines of Modernity: New Contexts for Religion, Ethics, and Literature, San Francisco State University, USA, June 2-4, 2014.

Dr. Smita Banerjee: " Audio-Visual Translation and Film Studies in India; Issues in Pedagogy"at 23rd European Conference on South Asian Studies International Conference at University of Zurich (Switzerland) 23-26 July 2014.

Dr . Santosh Bharti: “Towards Self-government and Representation: Canadian Indigenous Literary Writings” at The XVII International Conference on Re-Imagining Theory: Towards New Horizons in the Humanities and the Social Sciences organized by The Forum on Contemporary Theory and The International Lincoln Centre for American Studies, Louisiana State University, Shreveport, USA, held in Goa on 21-24 December 2014.

Dr Deepti Taneja: “India’s National Food Security Act, 2013: A Review” at 17th World Congress of International Economic Association, 6-10 June, 2014 at Jordan.

Dr Anuradha Gupta: “Weyl Type Theorems for unbounded operators’ at the International conference on recent advances in Pure and Applied Mathematics held on 6-9 Nov 2014 in Antalya, Turkey.

Faculty Strength: Permanent- 60; Temporary -1; Ad-hoc- 30

Financial Allocation and Utilization

Grant sanctioned in Rs. : 24,67,65,000

Utilized in Rs. : 19,75, 49,000(Tentative)

Placement Details

More than 120 students have got campus placement.

More than 60 companies/Industries, such as KPMG, E&Y, PWC, L&T, ICICI Prudential, CBSE, Capital IQ, Zee Media, Focus TV, Zakoopi, Oberoi Group of Hotels , Genpact, S&P Capital I.Q., Delhivery, etc. have visited the college for campus placement.

Repeat recruiters: KPMG, Earnest and Young, Capital IQ and Oberoi Group of Hotels.

Extension and Outreach work

Two blood donation camps were organized in the campus by NSS unit of the college on 09th Sept, 2014 and 05th Feb, 2015. The volunteers of the college went to the Andh Mahavidyalaya at Panchkuian Road in New Delhi, every Wednesday throughout the year to make the visually impaired children learn by fun. Various activities were performed with the blind children to enhance their logical and analytical skills along with the development in other areas. The NSS unit of the college carried out various social outreach programmes such as Tanzeal, providing education and holistic development of more than 120 underprivileged children; Clean and Green Programme, cleanliness drive by the students of the college, RTI Awareness Programme and Arts and Craft Project, etc.

The NCC Cadets of the college participated in the following camps both in India and abroad.

- i) National Camps at Orissa from 8-19 October, 2014 and 28-08 Nov, 2014
- ii) International Camps at Bangladesh from 02-25 Dec, 2014
- iii) Republic Day Parade from 01-30 Jan, 2015

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

Activities and Achievements

Grant of 1, 87, 38,400 was sanctioned for research projects under various schemes like “Fast tract scheme for young Scientists”, “Utilization of Scientific Expertise of retired Scientists scheme” to Dr. S.K. Gupta, Dr. S.R. Wakode, Dr. Meenakshi K. Chauhan and Dr. Rajani Mathur.

Research Projects

Development of drugs for the medical therapy of diabetic retinopathy using natural product Chief Investigator: Dr. S. K. Gupta Department of Science and Technology (DST) PRDSF Allocated amount- Rs 17,41,200

Development of Drug for the Medical Management of Diabetic Retinopathy using Ayurvedic Drugs Chief Investigators: Dr. S. K. Gupta and Prof. B.P. Srinivasan Department of Science and Technology (DST) Allocated amount- Rs 77, 93,200

Design, synthesis and biological evaluation of novel phosphodiesterase-4 (PDE4) inhibitors. Chief Investigators: Dr. S. R. Wakode Project: DST sponsored –Fast tract Scheme for young Scientists Allocation Amount: Rs. 25 lacs

Rivastigmine loaded nanostructured lipid carrier (NLC) integrated scaffolds transdermal patch system for the treatment of Alzheimer's disease and Parkinson's disease dementia Chief Investigators: Dr. Meenakshi K Chauhan Department of Science and Technology (DST) –Fast tract Scheme for young Scientists Science and Engineering Research Board (SERB) Allocation Amount: Rs. 19.38 lacs

Clinical ocular pharmacology and therapeutics Department of Science and Technology (DST), Government of India under 'Utilization of Scientific Expertise of retired Scientists' (USERS) Scheme Chief investigators: Dr. S. K. Gupta Allocated amount: Rs.9,66,000.

Library Development

One of the richest Pharmacy Library collections in India with over 17,000 + books covering all branches of Pharmaceutical Sciences like Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmaceutical Biotechnology, Pharmacognosy and Pharmaceutical Technology along with a good collection of books for basic sciences like Medicine, Pathology, Biochemistry and Microbiology.

Publications

Kumar R., Majumdar D.K., Panda A.K., Pathak D.P. Eudragit coated Microparticulate delivery of bovine insulin for oral delivery. International Journal of Research in Pharmacy and Chemistry 2014,4(3), 698-712

Sucheta, Nanda S., Pathak D.P. Synthesis, Pharmacological Activity and hydrolytic behavior of mutual prodrugs of Ibuprofen. IJPSR 2014,5(10), 4509-4521.

Sharma N., Sharma R.K., Pathak D.P. Transdermal Patches based on Solid Lipid Nanoparticles of Metformin: Novel approach for drug delivery of type 2 diabetes.

Goyal A., Jain S., Singh J., Pathak D.P. Synthesis and Pharmacological Evaluation of S-Nitrosothiols for their smooth muscle relaxant activity on rat tracheal chain. Der Pharmacia letter, 2014,6(4):386-392.

Kumar B., Gupta S.K., Nag T.C., Srivastava S., Saxena R., Kumar A.J., Srinivasan B.P. "Retinal neuroprotective effects of quercetin in streptozotocin-induced diabetic rats". Experimental Eye Research; 125 (2014), 193-202.

Gupta S.K., Kumar B., Nag T.C., Srinivasan B.P., Srivastava S., Gaur S., Saxena R. "Effects of Trigonella foenum-graecum(L.) on retinal oxidative stress, and proinflammatory and angiogenic molecular biomarkers in streptozotocin-induced diabetic rats". Molecular and Cellular Biochemistry; March 2014, Volume 388, Issue 1-2, pp 1-9

Kaur A., Wakode S., Pathak D.P. Benzoxazole: The Molecule of Diverse Pharmacological Importance. International Journal of Pharmacy and Pharmaceutical Sciences, Vol 7, Issue 1, 2014

Patel D., Wakode S. "Development and validation of UV visible spectrophotometric method for the estimation of Flupiritine maleate in bulk drug and Pharmaceutical dosage form". Indian Research Journal of Pharmacy and Science, 1(2) 2014, 31-37.

Mahajan A., Rawat, A.S., Bhatt, N. and Chauhan, M.K. "Structural Modification of Proteins and Peptides", Indian J Pharm Edu Research, 48 (3) 2014.

Chauhan M.K., Sahoo P.K., Rawat A.S., Bamrara A., Kandwal M., Sharma D. Simultaneous estimation of gliclazide and lacidipine using spectrophotometric methods and its application in nanostructured lipid carrier (NLC) development. Der Pharmacia Lettre, 2014, 6 (6):352-358

Chauhan M.K., Sahoo P.K., Rawat A.S., Duggal D., Kandwal M., Sandal N. Formulation, characterization and in vitro evaluation of tactically engineered proniosomes for successful oral delivery of Ramipril. Der Pharmacia Lettre, 2014, 7(1):93-97.

Kumar S., Mahaseth R., Tiwari M., Sehgal R., Rajora P., Mathur R. Interaction of aqueous leaf extract of Aegle marmelos (L.) Corr. with cholinergic, serotonergic and adrenergic receptors: An Ex-vivo study. Accepted in Indian J Pharmacol

Vij P, Jha S, Gupta S.K., Aneja A., Mathur R., Waghdhare S., Panda M. Comparison of DIPSI and IADPSG criteria for diagnosis of GDM : A Study in a north Indian tertiary care centre. Accepted Int J Diabet Develop Countr

Conferences Organized/Attended

Organized "Third International Conference of Pharmacoeconomics & Outcomes Research" on Oct 17 and 18, 2014.

Faculty Strength : Permanent: 11 ; Contractual: 6

Financial Allocation and Utilization

Grant Sanction in Rs. 8, 49, 00,000

Utilized in Rs. 6, 96, 47,266

Placement Details

Number of Students getting successful placements : 24

Number of companies/industries coming for campus recruitment: 16

Number of repeat recruiters : 8

Number and name of Domestic/ International (MoUs) signed with partners With Indian/ Foreign Universities

UKEIRI PROJECT : ONE

Research Collaboration between Aravind Medical Research Foundation, Madurai and DIPSAR (University of Delhi) for ARPE-19 cell line.

Journals subscribed:

Number of International Journals subscribed (online + paperback version): 08

Number of National Journals subscribed (online + paperback version): 17

DESHBANDHU COLLEGE

Activities and Achievements

An international conference “Self, World and Morality: Schopenhauer and Indian Philosophy with a special reference to the Upanishads” in collaboration with Special Centre for Sanskrit Studies, J.N.U. and Max Mueller Bhavan, during 23-25 Feb’ 2015.

“National Symposium on Environment: Challenges and Awareness” on November 5, 2014. “National symposium on Vector Biology and Vector Management” on Feb 12, 2015. The Innovation in Science Pursuit for Inspired Research (INSPIRE) Science Camp was held from October 8, 2014 to October 12, 2014. Many of our faculty members have participated and addressed in international and national conferences and seminars. Various cultural activities organized through cultural societies, namely, Deshbandhu Dramatics Society (D.D.S.), Dialecticians – The Debating Society, Timbre – The Music Society, Sharpshooters – The Photography Society, D-Squad – The Dance Society, Style Brokers and The Quiz Society respectively. 6 of our student NCC cadets have successfully completed the highest Republic Day Camp.

Research Projects

“Identification and Characterization of Genes involved in Defense against Spodoptera litura from Maize (Zea mays)”. Principal Investigator: Dr. Indrakant K. Singh, Assistant Professor, Department of Zoology, Under Start-up Research Grant (Young Scientists) from SERB, DST, Govt. of India, 2013-2016.

“Grafting of Poly lactamide (PVP) and DNA bases with Silicon: Application to Biophysics, Biosensors and Development to Biotechnology”. Principal Investigator: Dr. Sushila Singhal, Assistant Professor, Department of Chemistry, funding from UGC, 2010-2014.

“Development of Generic Irradiation Doses for Phytosanitary Treatment of Mealy Bug Spp. Infesting Agricultural Commodities” (IAEA Contract No. 15852/RB) Principal Investigator: Dr. Ranjana Seth, Associate Professor, Department of Zoology, International Atomic Energy Agency (IAEA), Vienna 2009-2015.

“दलित साहित्य की अवधारणा और अन्तर्विरोध”. Principal Investigator: Dr. Lalit Mohan, Associate Professor, Department of Hindi, UGC, 2012-2014.

Students with Distinctions

Akshay Kumar from Shooting won Gold in Rapid Fire Shooting at National Championship.

Dheeraj Rai, Captain Archery Team, selected in Delhi’s Archery Team for National Games held at Kerala where he won bronze medal and qualified for National Ranking Tournament.

Vishal Solanki selected in Delhi's Weight Lifting Team for the National Games, Kerala. He also won Gold Medal at All India Weight Lifting Inter-varsity Championship.

Publications

Dr. Madhuri Goyal : Published a book with Dr. K. K. Arora (co-author) entitled Systematic Approach to Organic Chemistry published by Bookage Publication in 2015 (ISBN: 978-93-83281-37-4)

Dr. Kumar Shantanu: Book Published Climate Change and its Impact on Kochi, Kerala (Published by – Indian Institute of Public Administration).

Dr.Partha Goswami : Published a refereed paper titled “Effect of Disorder in Transition from Topological Insulator to Valley-spin Polarized metal in Silicene and Germanene” in the peer-reviewed journal “Indian Journal of Physics, Springer” on 23 December, 2014.

Dr. Kamal Kumar Gupta :Published Monika Mishra, Kamal Kumar Gupta and Sarita Kumar, 2014 Impact of stem extracts of yellow oleander, *Thevetia neriiifolia* (Apocynaceae) on the feeding potential of IV Instars of gram pod borer, *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae) International Journal of Advanced Life Sciences: 7(3) 408-416, ISSN 2277 – 758X

Dr. Indrakant K. Singh :Book titled Basic Environmental Studies by Singh, I.K. and Maurya, A. K. (2014) published by Book Age Publications, New Delhi.

Dr. Aparna Nautiyal :Article published on “Potential of Organic Farming in Production of Environment Friendly Sugarcane” (2014) in Current Nutrition and Food Science Vol. 10: 3. Bentham Science Publishers.

Dr. Umesh Kumar : Published Acridine Based (S,N,S) Pincer Ligand: Designing of Silver(I) Complexes for the Efficient Activation of A3(Aldehyde, Alkyne and Amine) Coupling. Prakash, O.; Joshi, H.; Kumar, U.; Sharma, A. K. ; Singh, A. K. Dalton Trans. 2015, 44, 19621968.

Published Sterically Hindered Selenoether Ligands: Palladium (II) Complexes as Catalytic Activators for Suzuki-Miyaura Coupling. Kumar, U.; Dubey, P.; Singh, V. V.; Prakash, O.; Singh, A. K. RSC Adv 2014, 4, 4165941665.

Published Shape Dependent Catalytic Activity of Nanoflowers and Nanospheres of Pd4S Generated via One Pot Synthesis and Grafted on Graphene Oxide for Suzuki Coupling. Singh, V. V.; Kumar, U.; Tripathi, S. N.; Singh, A. K. Dalton Trans. 2014, 43, 1255512563.

Conferences Organized

Dr.Arati Barua : An international conference on “ Self, World and Morality: Schopenhauer and Indian Philosophy with a special reference to the Upanishads” in collaboration with Special Centre for Sanskrit Studies, J.N.U. and Max Mueller Bhavan, during 23-25 Feb’ 2015.

Dr.Kamal Kumar Gupta : “National Symposium on Environment: Challenges and Awareness” organized at Deshbandhu College on November 5, 2014

“National symposium on Vector Biology and Vector Management” organized at Deshbandhu College on Feb 12, 2015.

Conferences Attended

Mr. Krishnan Unni P. Presented paper “Compulsory Re-Membering and Metaphors of Memory” in the International conference on Memory and Human Rights held at Lund University, Sweden on 4-6, December, 2014

Dr. Bajrang Bihari Tiwari: Delivered Key note address in a two day national seminar on “Indian Dalit Writing at Crossroads”, organized by Department of English, SRTM University, Nanded, Maharashtra, 7-8 March 2014.

Faculty Strength: Permanent -137; Ad-hoc -82

Financial Allocation and Utilization

Grant Sanction in Rs.37.37 crore
Utilized in Rs. 38.00 crore

Placement Details

More than 150 students have been placed so far this year.

The following corporate entities recruited Deshbandhu students.

Eage Tutor - Sept 29, 2014: Recruited 28 students as part time online tutor (Work from home)

Concentrix - Oct 16, 2014: Recruited 45 students as Business Trainees

GMR Business Process and Services Pvt. Ltd.: Recruited 8 NCC Cadets

Libsys - Jan 13, 2015: Recruited 7 students for the profile of Marketing, Finance and Content Writing

Royal Bank of Scotland - Jan 17, 2015: Recruited 36 students for the profile of Banking Operations

Tata Consultancy Services - Jan 20, 2015: Recruited 21 students for the profile of Business Trainees

ICICI Prulife - Jan 23, 2015: Recruited 20 students for the profile of Marketing

Chasseur Services - Feb 16, 2015: Recruited 30 students for the profile of E-commerce and Marketing

DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION (VISUAL IMPAIRMENT)

Activities and Achievements

The college established in 2006, is a college offering B.Ed (Special Education) – Visual Impairment. The college is playing a major role towards fulfillment of national agenda of inclusive education by preparing qualified special teachers. The college enrolls 33-34 students every academic year.

The college organized various activities to impart quality education to the teacher trainees. An educational tour was organized to Mumbai where the trainees could visit different organizations working for person with disabilities.

As a part of community work the teacher trainees organized awareness programme about visual impairment in regular schools and villages in their own states.

Honours/ Distinctions

Dr. Sudeep Kumar Dubey (faculty) acted as guest of Honour and delivered speech at national Conference Programme held on 24th November 2014 on Innovative Approach for teaching visually impaired in inclusive Era. TECNIA Institute, New Delhi

Mrs. Pubali Agarwal (faculty) acted as guest of Honour, felicitated by St.Mary's School, Dwarka, on 6th December, in occasion of the celebration week of 'World Disability Day'.

Research Project

Research Associate of college conducted a research on the topic 'A study of problems faced by sighted teacher trainees in learning Braille during B.Ed (Special Education –V.I) course'.

Students with Distinctions

Ms. Shubhara Niti (Visually Impaired Student) got second position in B1 category in Long Jump and won Silver medal organized by 19th IBSA National Sports Meet held from 13-16 December, 2014 at Jawaharlal Nehru Stadium, New Delhi.

Shri Monoj Yadav (Visually Impaired Student) secured 'Third' position in Essay Competition in Adult Category organized Delhi Public Library held on 27th October, 2014.

Shri Monoj Yadav (Visually Impaired Student) secured Consolation position in National Inter Collegiate Debate Competition on "The Education System of Our Country is Efficient Enough to make it a Developed Nation" held on February 6th-7th, 2015 organized by Uttarakhand Technical University, Dehradun.

Ms. Shubhra Niti (Visually Impaired Student) participated in 7th Delhi State Para Athletics Meet placed 2nd under Sr. women class F-II category in Long Jump and Discuss throw held on 14&15 February, 2015 at Jawaharlal Nehru Stadium, New Delhi.

Ms. Ishwanti (Visually Impaired Student) participated in 7th Delhi State Para Athletics Meet placed 2nd under Sr. women class F-II category in Long Jump held on 14 &15 February, 2015 at Jawaharlal Nehru Stadium, New Delhi.

Library Development

Library has 3898 volumes of printed and braille books.

23 National & International Journals are being subscribed in the library.

It offers e-resources to our students, faculty members and other scholars through NLIST programme of UGC.INFO NET Digital Library Consortium.

Publications

Dubey, K. S. (2014). Education of Low Vision Students. Kanishka Publishers, New Delhi

Dr. Swati Sanyal as a member of Expert Committee of RCI on Visual Impairment actively participated in curriculum development for 2 Year B.Ed (Spl.-Edn.) and M.Ed (Spl.-Edn.) course of RCI.

Conferences Organized/ Attended

The college and Blind Relief Association jointly organized an interactive session with special students of Edinburgh University, Scotland; Kings College, London and EOC (University of Delhi)

as a part of the Connect to India programme on “Disability and Inclusion: Perceptions & Issues in Contemporary India” on 4th September, 2014.

Mrs. Pubali Agarwal participated as a resource person in the workshop on ‘Preparation of the Map Book for the Children with Visual Impairment’ from 12.03.15- 20.03.2015 organized by DESSN, NECERT, New Delhi.

Faculty Strength: Permanent/Temporary/Ad-hoc - 4

Financial Allocation and Utilization

Grant Sanctioned Rs. 29, 00000 (Twenty Nine Lakhs) from The National Institute for the Visually Handicapped (NIVH), Dehradun.

Received amount Rs. 10,00000 (Ten Lakhs)

Utilized in Rs. 10,00000 (Ten Lakhs)

Placement details

Number of students getting successful placement: 12

Number of companies/industries coming for campus recruitment

Number of repeat recruiters

Number and name of Domestic/International (MoUs) signed with partners.

With Indian/ Foreign Universities

College has close collaboration in terms of delivering Guest lectures, Paper setting, Examination, Curriculum framing etc. with Jamia Millia, Islamia, IGNOU, DIET, NCERT, RCI, and NIVH etc.

Journals Subscribed

Number of international journals subscribed (online+ paper back version) (5800 +01)

Number of national journals subscribed (online+ paper back version) (200+22)

DYAL SINGH COLLEGE

Activities and Achievements

Staff and Students actively contributed to the Swachh Bharat Abhiyaan, the Good Governance Day and the Unity Run. Partnered with CII – Young India, National Skill Development Corporation and National Institute of Immunology. Organized live webcast of address of Hon’ble President of India and the Vice-Chancellor, University of Delhi. Participated in Antardhavani 2015 through stalls of 07 Innovation Projects, Good Practices and Gyanodaya. The Innovators developed an e-device application for Dissemination of Data and Information to the students. The faculty published over 30 research papers. Dr. Seema Trama, Dr. Anita Goel, Dr. Arun Pal, Dr. I. S. Bakshi and Dr. Shilpi Taneja were awarded Teaching Excellence Award by University of Delhi. The College won the Inter-college Boxing Championship. Sh. T. N. Chaturvedi, former Governor of Karnataka delivered Dyal Singh Majithia Memorial Lecture and Padma Shri Prof. J. S. Rajput, former Director, NCERT gave away prizes on Annual Prize Distribution Function.

Library Development

Total Budget: 9,16,000/

Spent on Books and Journals/ Magazine / Newspaper: 6, 97,654/

Numbers Books added in 2014-2015: 1522

Internet Facilities upgraded: Library in providing internet access point through Wi-Fi system.

Additional Facilities: Providing Newspaper Clipping service on Academic News. Catering to the need of visually challenged, library is providing IT based service such as Scanning documents, General/ braille printing, reading on desktop etc.

Publications

Arya, P.V.& H.S. Singh (2015). Functional dynamics observations of haptoral armature in *Mizellus indicus* (Jain 1957) Pandey et al. 2003, *Journal of Parasitic Diseases*, 39(1) (Jan-March): 94-99

Behl, G., M. Sikka; A. Chhikara& M. Chopra. 2014 PEG-coumarin based biocompatible self-assembled fluorescent Nano aggregates synthesized via click reactions and studies of aggregation behaviour. *Journal of Colloid And Interface Science* 416C, pp. 151-160, DOI information 10.1016/j.jcis.3013.10.057

Goel A. et al., "Blog in Web Application: Software Engineering Perspective" in *International Journal of Web Engineering and Technology (IJWET)*, Inderscience, (SJ: 0.37), Vol 9, No. 3, 2014, ISSN: 1476-1289, pg. 164-200

Goel A. et al., "Comparing Infrastructure Monitoring with CloudStack Compute Services for Cloud Computing Systems." In *Proceedings of 10th International Workshop-Databases in Networked International Systems*, DNIS, Japan, Springer, Jan 2015 pp. 195-212

Goel, A.; S. Taneja; A. P. Singh; I. S. Bakshi; S.C. Gupta; D. Bajaj; S. K. Richhariya; H. Sharma; R. Bhardwaj; K. Tripathi; L. Ojha; A. Drall. T. Datta; M. Swami & M. Kumar 2015. DUIT: A Mobile App Developed Using Interdisciplinary Approach. *DU Journal of Undergraduate Research and Innovation*; Vol. 1, Issue-1; Feb. 2015 ISSN 2395

Nain, A. K; R. Pal and Neetu. 2014 Physicochemical study of solute-solute and solute-solvent interactions of *L*-phenylalanine in water + arabinose/glucose/sucrose solutions at difference temperatures, *J. Chemical Thermodyn.* 68, 169-182

Pandey, P. K. A new computational algorithm for the solution of second order initial value problems in ordinary differential equations. *Asia Pacific Journal of Mathematics* – 2014.

Singh, A. P. Boundedness of Hardy-Steklov Operator on weighted Lorentz Spaces. *International Journal of Mathematics Research*, ISSN: 0976-5840

Singh, D. P. V. Arya, V. P. Aggarwal& R. S. Gupta. Evaluation of antioxidant and hepatoprotective activities of *Moringa oleifera* Lam. Leaves in carbon tetrachloride intoxicated rats. *Antioxidants (Switzerland)*; 3: 569-591. ISSN: 2076-3921.

Singh, D.; P.V. Arya, V. P. Aggarwal, A. Sharma, M. P. Dobhal & R. S. Gupta. 2014. Antioxidant potential of Plumieride against CCl₄ – induced peroxidative damage in rats. *Antioxidants (Switzerland)*; 3:798-813. ISSN: 2076-3921

Conferences Organized/ Attended

Dr. Neeru Bhandari & Dr. Jasleen Kaur presented papers in International Conference on Climate Change and the Developing World, held at CMS College, Kottayam, and Kerala.

Dr. Swarita Gopal and Dr. Alka Gupta contributed a paper in International Conference i.e., ICETCPS-2014 at Hyderabad

Faculty Strength: Permanent- 136; Ad hoc- 105

Financial Allocation and Utilization

Grants Sanction in Rs.43.80 Cr

Utilized in Rs. 38.83 Cr

Placement Details

Number of students getting successful placement- 200 no

Number of Companies/ Industries coming for campus recruitment-24

Number of repeat recruits- 03

Number and name of Domestic. International (MoUs) signed with partners.

With Indian Foreign Companies/ Industry-

National Skill Development corporation

National Institute of Immunology

Extension and outreach work.

Number of camps organized in the surrounding area: 02

Number of people enrolled/ covered in the camps : 200

Number of students who worked in the camps : 60

Total number of hours dedicated to these camps: 12 hours

Journals subscribed.

Number of International Journals/ Magazines Subscribed : Online: 6000+ (access through NLIST program of Inflibnet, UGC)

Number of National Journals/ Magazines Subscribed : Online: 181+ (access through NLIST program of Inflibnet, UGC)

DYAL SINGH COLLEGE (EVENING)

Activities and Achievements

The college organized activities such as 'Yoga Day', 'Youth Day', 'Drug and Substance Free Campus Campaign' a 'Donation Drive: Clothes & Food', 'Litter Free Campus Campaign', 'Blood Donation Camp' and a 'Swachhta Abhiyan' initiated by the Chairperson, Ambassador Skand R. Tayal. Debates and talks on 'Indian Foreign Policy', 'Police Protector or Perpetrator' and a seminar on 'Good Governance', 'Contribution of Sardar Vallabh Bhai Patel in Nation Building' 'Making of Indian Constitution' and on 'Guru-Shishya Parampara' were also organized. Competitions such as 'Poster Making & Slogan Writing on cleanliness', 'Women Safety: Awareness & Problems' 'Gender Equality and Domestic Violence', 'Women Empowerment' were arranged for the students. Prof. B.S Butola, Prof. Bidyut Chakravorty, Padmashree, Ram Bahadur Rai, Ambassador K.P Fabbian, Member of

Parliament Mrs. Meenakshi Lekhi and Mrs. Vimla Mehra Additional Commissioner of Police, Social activist Ms. Meena Khanna attended as chief guests. Active Participation in 'Republic Day Camp 2015' by NCC Cadets 'Gyanodaya Programme', 'Promotion of North Eastern States Culture' and programmes such as 'Eco friendly Attendance Register : Saving of Paper & Cost', 'Tree Plantation' 'Celebration of Harvesting Season to promote Green and Clean Environment' were organized as well.

Ten students under the guidance of a mentor participated in the 'Gyanodaya' and worked on a research project entitled 'Landscape and Patterns of Settlement of Jorhat (Assam)'.

The college has beyond the class room activities undertaken by Arts and Culture Society, Commerce Association, Committee for the welfare of North-East Students, Environmental Protection Committee, The Economics Society (Ecosoc), Forum for International and National Awareness (FINA), Gender Sensitization Committee, Literary Meditations, Tourism Society, N.C.C, NSS wing, Placement Committee, Rajneeti Vigyan Parishad and Urdu Society.

Honours/Distinctions

The College bagged three appreciation certificates for the Innovation Project on 'Medical Tourism- A Game Changer for the Indian Economy'. It bagged the 'Best display in the Economic Development zone', 'Best Innovation Idea' and teaching excellence award for innovation.

The cash prize of Rupees One lakh for good practices to the college was awarded in the 'Antardhvani' 2015. This year the college stall at Antardhvani was devoted to the theme of the North-East. Our Students from the North-East and a dedicated team of teachers did wonderful work to our North East diversity and presented Naga war dances and Manipur dances which was highly appreciated and applauded by all present at Antardhvani 2015. The Shakespearean society of the college under the aegis of Literary Meditations translated a Midsummer Night dream in Punjabi and performed it at an Inter-college competition held at Jesus & Mary College.

The college Badminton team played Quarter final in Inter College competition and secured first position in Maulana Azad Medical College in doubles and single games Cross Country team secured 7th position in Inter College Cross Country team.

The 26th Rajnigandha –The annual cultural festival was amongst the most popular and well participated festivals of Delhi University. The students of Art & culture Association's presentation one for all, all for one portrays the college as a symbol of National Unification.

Student Placements

Five companies like Genpact, Hindustan Times, Tata Consultancy, NIYY and Kalpbriksha were called for placement of students by the Placement Cell of the College and about one hundred students got successful placements.

GARGI COLLEGE

Activities and Achievements

Gargi College entered into an MoU, with National Institute of Immunology. Bioinformatics Facility funded by DBT was ranked in the top five positions amongst all BIFs of India under UG colleges, in terms of publications. Aditi Gupta, B.A. (H) Applied Psychology have been awarded Gold Medal for securing first position in DU. Dr. Geeta Mehta, Department of Botany received The Teaching Excellence Award (2013-14) from University of Delhi. Eight faculty members from various departments have been awarded PhD degrees. Dr. Vandna Luthra, Physics department was awarded Dr. Raman Fellowship by UGC to carry out research at Binghamton University, New York. USA. Dr. Ramakant of Department of Mathematics and Dr. Priyanka Pandey, Department of Botany have been

selected under Faculty Recharge Program of DU to visit UK for a year. GC 201 was chosen as a potential project for University of Michigan, USA. GC 204 won the Award for the Best Display in the theme 'Environment 'at the Innovation Plaza. International Conference was organized on Education, Politics and Social Change.

Honours/Distinctions

Dr. Vandna Luthra, Physics Department awarded Dr. Raman Fellowship by UGC to carry out research at, Binghamton University, USA.

Dr. Ramakant of Department of Mathematics and Dr. Priyanka Pandey, Department of Botany have been selected under Faculty Recharge Program of DU to visit UK for a year.

Dr. Sabeen Rizvi was awarded Fulbright Postdoctoral Fellowship at University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, U.S.A.

Research Projects

Dr. Preeti Pant received a Research Grant from ICSSR for her work entitled ' Spirituality in Higher Education and Enhancing Spiritual Well Being in College Campuses'.

Dr. Aneeta Rajendran received UGC Major Research Project grant on: "Narrative, Public Cultures and Visuality in Indian Comic Strips and Graphic Novels.

Library Development

A Separate space was earmarked to rare and out of print books in the reference section. WEBOPAC and facility of UGC INFLIBNET and access to DU Library Catalogue continued during the year. 623 books were added during the year till January making the total of 71938 books in all. At present library has an asset of 116 CDs and subscribed to 57 periodicals. `Electronic Resource Management package for e- resources: User control provided by NLIST. The library subscribes to a large number of Electronics Resources through UGC-Info net and University of Delhi connectivity, it includes 11 Online Databases on Reference & Citation Sources, 6 online Databases on Bibliographic Sources, 2 Online Databases on Citation Analysis Resources, 8 online Databases on Financial and Statistical Sources, Single databases on Doctoral Theses and 105 online Databases on Full Text Sources. This includes around 97000+ e-books and 6000+ e-sources available in the present library with Wi-Fi Library computer lab. Library Literary week was celebrated in August 2014. Book discussion, literary competition day, etc. was a part of the program.

Publications

Sarin B, Martin JP and Mohanty A (2014) Differences in population genetic structure of two ethno medicinal herbs of the genus *Phyllanthus* from India:A consequence of anthropogenic intervention? Plant Systematics and Evolution DOI 10.1007/s00606-014-1104-y.

Beena Negi In vitro antiameobic activity evaluation and docking studies of metronidazole- triazole hybrids. *Chem. Med. Chem. Commu.* 2014, 9, 2439 -444

Salma Khan A concise assessment of electrochemical synthesized polypyrrole amperometric biosensors. *Journal of Applicable Chemistry*, 2014, 3(4),1620 – 28.

Anjana Neira Dev “The Trees in a Single Orange: Memories of Home in the poetry of A.K. Ramanujan” in the *Gandhigram Literary Review*, Volume 2, Summer. Pages 35-50.

Shatarupa Sinha “Evaluating Indian English Literature: Exploring Grounds in Comparative Literature” in *Jadavpur Journal of Comparative Literature (JJCL)* No. 50, 2014. ISSN No. 0448-1143.

Priyanka Gupta, Sonia Singh, Isha Mangal, “Image Encryption based on Arnold Cat map and S-box”, published in *International Journal of Advanced Research in Computer Science and Software Engineering*, ISSN:2277 128X, Volume4, Issue 8, August 2014.

Alka Garg, Monika Tomar and Vinay Gupta (2014), “Structural, optical and electrical properties of thin films of bismuth tri-iodide” *Adv. Sc.Lett.* 20, 1442-1445 (2014).

Rizvi, S.H., Ong, M.L., & Youngstrom, E.A. (2014). Bipolar Disorder in Children and Adolescents: An Update on Diagnosis. *Clinical Practice*, 11(6), 665-676.

Supriya Singh, Shashi Khare, Sudha Prasad, Uma Sharma, A Hempenstall, Arvind Rai. Impact of Maternal Feeding Practices and DC SIGN Receptor Polymorphisms on Vertical Transmission of HIV. (Abstract) *The Journal of Maternal-Fetal and Neonatal Medicine*. 2014; 27 (S1): 25.

Shivani Tyagi and Dileep K. Singh (2014) *Pseudacidovorax austerolens* sp. nov., a *nifH* bacterium isolated from Himalayan mountain valley soil, India, Accepted for publication in *Annals of Microbiology*. DOI: 10.1007/s13213-014-0852-9. ISSN-1590-4261.

Conferences Organized/Attended

An International Conference on “*Education, Politics and Social Change*” was organized between 16th-18th November, 2014 at the Conference Centre, University of Delhi. More than 190 papers were presented.

Joya Bhattacharya presented a paper titled “*Gender and Representation*” at the International Conference on Women and Legal Studies organized by ICRD, Canada in Colombo, Sri Lanka from 25th-27th February, 2015.

Seminar / workshop was conducted on Role of bioinformatics in gene expression. A talk by Dr. Sanjay Kapoor, Department. of Plant Molecular Biology, South Campus, University of Delhi was organized followed by practical session on gene expression analysis using bioinformatics tools on 10th October, 2014.

Dr. Promila Kumar delivered a talk titled “Various Solution Concepts and Related Generalizations of Invexity in Optimization Theory” in National conference on Optimization Modeling and Machine learning Techniques, organized by the Department of Mathematics, Punjab University, on 20-21 March, 2015.

Faculty Strength: Permanent 120 Temporary:-01; Ad hoc -80

Financial Allocation and Utilization

Grant sanctioned in Rs.

Maintenance grant : Rs.358779048

Utilized in Rs.
Maintenance grant : 339074154

Placement Details

Number of students getting successful placements: 64
Number of companies/industries coming for campus recruitment: 15

Domestic / International (MoUs) signed with partners

Gargi College entered into an MoU, with National Institute of Immunology.

Extension and Outreach work

An overwhelming number of approximately 600 students became members of NSS. A “holistic life development workshop was held which saw huge participation. The second major event of the society was “blood donation camp” which was organized in collaboration with AIIMS and Blood connect. There were 115 successful donations which included donation from students, teachers, as well as non-academic staff. NSS members also participated enthusiastically in 39th National Blood Donation Rally organized by Ministry of Health. “NSS friendship day” was celebrated by inviting elderly people from two old age homes, “Aradhna” and “Sandhya”. NSS also collaborated with Indian Cancer Society for spreading awareness about Breast Cancer.

Students numbers under exchange programme

Undergraduate inbound/outbound Exchange students

UG-UKIERI Exchange programme, enabled students and Staff to be exchanged between Gargi, UCL and Queens Mary College, UK. Our College hosted 50 students from UK.

Journals subscribed

No. of international journals subscribed (online + paper back version) : 4
No. of National journals subscribed (online + paper back version) : 29

HANS RAJ COLLEGE

Research Projects

Name of the Faculty	Department.	Subject
Dr. Manjit Singh Saggi	Commerce	UGC Major Research Project titled, “XBRL Based Corporate Disclosure Practices in India: Opportunities and Challenges”
Ms. Sonal Gupta	Commerce	“SWAD” & “LEKHNI” – Enactus Hans Raj College
Dr. Vijay Rani Rajpal Dr. Manju Mathur Dr. Neelam Gandhi	Botany Botany Zoology	Innovation Project – “Plant Invasions : Exploring Ploidy Connection” (HR-201), University of Delhi
Dr. Shampa Bhattacharyya Dr. Renu Parashar Dr. Hema Chutani	Chemistry Chemistry Physics	Innovation Project – “Isolation and characterization of protein component of milk from different sources” (HR-202), University of Delhi

Dr. Lokesh Chandra Mishra Dr. Vandana Kumari Singh Dr. Archana Singh	Zoology Zoology Botany	Innovation Project – “Comprehension of ethnic practices of selected Indian tribes as pro-ecological customs and their deviation from the stream” (HR-203), University of Delhi
Dr. Sushma Rani Ms. Preetinder Kaur Ms. Simran Sethi	Commerce Commerce Economics	Innovation Project – “Public private puzzle in education: Where the parents want to send their children and why?” (HR-204), University of Delhi
Dr. Dinesh Kumar Gautam Mr. Satish Chand Dr. Ambika	Zoology Chemistry Chemistry	Innovation Project – “Developing a synthetic molecule imitating the properties of hemoglobin to reduce carbon monoxide from automobile exhaust” (HR-205), University of Delhi
Sh. P. K. Singh Dr. Namrata Soni Dr. Sukhbinder Singh Rait	Electronics Physics Electronics	Innovation Project – “Development of an Eco-friendly, Efficient, Portable Lighting Source Utilizing a Renewable Energy Source and a Solid State Lighting Solution – Solar LED Bulb” (HR-206), University of Delhi
Dr. Amit Sehgal Sh. Sushil Kumar Dr. Rajan Walia	Electronics Physics Physics	Innovation Project – “Designing and Optimization of Auto-Tracking Solar Energy based Energy Conversion Module for Rechargeable Appliances” (HR-207), University of Delhi
Ms. Sonal Gupta Dr. Krishan Sachdeva Dr. Ramashankar Kushwaha	Commerce Commerce Hindi	Innovation Project – “MITHAAS” (HR-208), University of Delhi
Dr. Chetana Jain Dr. Arvind Dr. Tanuj Dhawan	Physics Mathematics Physics	Innovation Project – “Understanding the physical and geometrical behavior of differential equations and its applicability in real world” (HR-209), University of Delhi
Dr. Manoj Kumar Dr. Anand Sonkar Dr. Aparna Garg	Chemistry Botany Chemistry	Innovation Project – “Development of Zero Discharge, Eco-friendly, Affordable and Carbon Neutrol Bio-Fuel using in house Horticultural Waste” (HR-210), University of Delhi

Library Development

Number of Books	:	1, 50,211
Journals / Magazines	:	88
Book Bank	:	8686

Publications

Ms. Beauty Das, Assistant Professor, Department of Commerce has Published and Presented the following Books and Research Papers in the Academic session 2014 – 2015.

A. Das, Beauty. (2015). Human Resource Management: Theory and Practices. Glagotia Publishing Company, New Delhi. ISBN:81-8218-065-1.

B. Das, Beauty. (2015). Development of Human Resource. Galgotia Publishing Company, New Delhi. ISBN:81-8218-069-4.

C. Das, Beauty (2015) International Business. Galgotia Publishing Company, New Delhi ISBN:81-8218-071-6.

Mr. Rakesh Batra: Assistant Professor, Departmentt. of Mathematics,

Coincidence Point Theorem for a new Type of Contraction on Metric Spaces” – Int.Journal of Maths.Analysis, VOI.8, 2014

Coupled coincidence point theorems for mappings without mixed monotone property under e-distance in cone metric spaces – J.Nonlinear Science April 7 (2014)

Dr. Amir Riyaz : Published a paper : Nature of Axioms

Dr. Meenakshi Malhotra, Associate Professor in English –published 4 papers

Dr. Monika Koul, Assistant Professor in Botany : one book and three research papers.

Dr. Manjit Singh Saggi, Assistant Professor in Commerce: One Book and one research paper.

Mr. Sushil Kumar, Assistant Professor : Reviewer 4 Books and published 2 research papers.

Dr. Ambika : Assistant Professor Chemistry : 2 research papers

Dr. Pradeep Kumar, Assistant Professor Physics: one research paper

Conferences Organized/ Attended

Dr. Satyendra Srivastava from the Department of Philosophy participated in conference.

Participated in an International Conference on “Schopenhauer and Indian Philosophy” held at J.N.U. New Delhi on 25-27th February, 2015

Dr. Meenakshi Malhotra from the Department of English presented paper in conference. Presented paper at conference in O.P. Jindal Global University. 29 January, 2015.

Presented paper in Conference organized by IACLALS (Indian Association for Commonwealth Literature and Language) on Space, Travel and Migration, BITS Goa, February 12-15,2015.

Dr. Lokesh Chandra Mishra from the Department of Zoology participated in Ist International Conference on “Emerging Trends of Nanotechnology in Drug Discovery” on 26th-27th May, 2014 organized by Sri Venkateshwara College and Department of Bio-chemistry, UDSC in association with University of Madeira, Portugal.

Faculty Strength: Permanent/ Temporary/ Ad-hoc

Arts-68; Commerce-27; Science- 118

Financial Allocation and Utilization

Grant sanction in Rs. - 30,48,90,000.00

Utilized in Rs. - 32,43,36,876.67

Placement details

Number of students getting successful placements - 165

Number of Companies/Industries coming for campus recruitment - 50

HINDU COLLEGE

Activities and Achievements

During the year all the Departments in the College undertook a number of academic activities like Seminars/Quizzes/Debates/ Group discussions and paper reading. Various Departmental Societies were involved throughout the year with stimulating curricular and co-curricular activities in which students from other colleges. Hindu College has several cultural activities like Ibtida which is one of the most active society. The College has several co-curricular and extra curricular societies like special placement and counseling society, Disha. Apart from these was the successful MECCA the much awaited college Annual Cultural Festival. Hindu College celebrated its 116 Founder's Day on 16 February 2015 with Smt. Smriti Zubin Irani, Hon'ble Minister, Human Resource Development, Delhi as the Chief Guest. The college has good examinations results this year. It dominated the list with 13 medals and 04 prizes in the Delhi University convocation to be held on 30 May 2015. Under the DBT, Star College Programme, a number of activities aimed at fostering a scientific attitude in the students were undertaken at both inter and intra-departments of science. A number of eminent scientists were invited to deliver lectures to the students. This helped to motivate and enthuse the students to strive towards achieving accolades in their respective fields.

Interdepartmental Activities such as Workshop on Scientific writing and oral presentation, 5th Dec, 2014 and Workshop on Bioinformatics, 4th Feb, 2015 were conducted

National Institute of Immunology (NII) - HINDU COLLEGE Science Setu Programme has been initiated with the aim of encouraging more and more bright young minds to take up the pursuit of science and technology as a career option

Honours/Distinctions

Hindu College is one of the most trusted educational institutes as per the study titled "India's most trusted Educational Institute 2014-2015" carried out by TRA (Formerly Trust Research Advisory) a brand analytics and insights company.

Dr. Neha Kappor, Assistant Professor in Chemistry was presented with National award for "Best Employee", 2015 by the President of India at Vigyan Bhawan on 3rd December, 2014.

Research Projects

Awarded to Individual Teachers

Sl. No.	Name of Teacher	Project Title	Amount
1	Dr. Soma Ghorai	DBT-CTEP Zoology/Serb	5,00,000.00
2	Dr. Vivek Verma	Studies on the Enhancement of magnetoelectric coupling in the multiferroic BiFeO ₃ bulk and thin films	5,40,000.00

Library Development

Total Budget : Rs.9,69,000+9,46,500(Library Development fund)
Number of books and journals added : 1619
Internet facilities upgraded : wi-fi facility is available in the Library.

Publications - 50

Conferences organized/attended - 68

Faculty Strength :Permanent – 121; Ad hoc - 35

Financial Allocation and Utilization

Grant sanction in Rs. 37, 45.16 lakhs

Utilized in Rs. 33, 91.52 lakhs

Placement details

Number of students getting successful placements : 46

Number of Companies/Industries coming for campus recruitment :38 companies for placements - and 24 companies for Internship

Number of repeat recruiters – more than 50% of the companies are repeat recruiters.

Domestic/International (MOUs) signed with Partners

With Indian/Foreign Universities – National University of Singapore, Singapore

Extension and Outreach work

Number of camps organized in the surrounding areas – NCC Swimming Camp, CAT Camp, NIC, Nausainik Camp, PM Rally Camp RD Camp

Number of people enrolled/covered in the camps – NCC (34 cadets enrolled in various camps). One cadet attended RD camp.

Number of students who worked in the camps NCC – 34 students worked in the camps

Total number of hours dedicated to these camps: NCC – Nausainik Camp -20 days/ CAT Camp – 12 days/ RD Camp – 60 days/ P. M. Rally – 05 days/ Swimming Camp – 30 days

Students under Exchange Programme

Undergraduate inbound/outbound Exchange Students - One

Journals Subscribed

a) Number of international journals subscribed (online+paper back version)

b) Number of National journals subscribed (online+paper back version)

College has access of University of Delhi and INFLIBNET e-resources subscription

HOLY FAMILY COLLEGE OF NURSING

Activities and Achievements

Elections of SNA body (Students Nurses' Association) were held in September 2014.

HFCON organized the state level skit competition on Mental Health Day on 14th October 2014 where nursing students from 15 nursing institutions from all over Delhi participated.

On World hepatitis day, students participated in poster and skit competition in ILBS hospital, Delhi and won prizes. On world kidney day, students attended a conference in RML hospital and participated in quiz competition and poster competition. They won 2nd prize in poster competition and 3rd prize in quiz. On 1st December 2014, students organized a program to spread awareness about HIV/ AIDS. In the month of March, students spread awareness about Tuberculosis in the community. On World Health Day in the month of April, students spread the message on "food safety" to general public in the hospital.

College planned to start Master of Nursing programme and B.Sc (Nursing) (Post Basic) program. Delhi University inspection for the master of nursing programme was held in the month of February, 2015. Delhi Government has provided 'No Objection Certificate' for the course of Post Basic B.Sc Nursing programme. Indian nursing council has conducted inspection for the course of B.Sc (Nursing) (Post Basic) program in the month of June 2015. First Batch of B.Sc (Hons.) Nursing completed the course in May 2015.

Honours/ Distintions

Ms. Christeena Thomas (B. Sc (Hons) Nursing, intern) : first rank in University of Delhi..

Ms. Chandini Singh (B. Sc (Hons) Nursing, 1st year): first rank in University of Delhi.

Ms. Konika Verma (B. Sc (Hons) Nursing, 1st year): second rank in University of Delhi.

Research Projects

B.Sc Interns conducted the research projects in 5 groups during the session of 2014-2015:

1. A study to assess the risk factors and knowledge regarding cervical cancer and its prevention among women residing in a selected urban slums of Delhi and to develop an informed pamphlet on cervical cancer and its prevention.
2. A comparative study to assess the knowledge and health seeking behavior related to obstetric morbidities among antenatal mothers of selected hospitals and a selected urban communities in New Delhi.
3. A study to assess the knowledge of nurses regarding the assessment of substance abuse in patient and their attitude towards patients with substance abuse in selected hospitals in New Delhi.
4. A pre experimental study to assess the effectiveness of medical play on the reduction of fear in children on the age group of 3-6 year receiving Intra venous injections in selected hospitals in New Delhi.
5. An exploratory study to assess the prevalence of cyber bullying among girls residing in a selected girl's hostels of New Delhi and to develop an informational pamphlet on prevention and management of cyber bullying.

Library Development

Total library area increased in 2014-2015 to 3691.6 ft. From March 1, 2014 to April 30, 2015, total 129 nursing books purchased. Total numbers of journal are 112. For the year 2015, 15 new journals are subscribed. Amount spent on nursing textbook from March 2014 to April 2015 is Rs.134775.00

Total number of magazines on current topics and general interest are 12. Total number of nursing books in the library was 4374 in the year 2014-2015. Number of nursing book rack In library increased to 26 in the year 2014- 2015.

Conferences Organized/Attended

“Mental health awareness: Barriers in mental health care” by HFCON 10th and 11th October 2014.

Conference on “Nurses: a force for change-Cost Effective and care Effective” by HFCON on May 12th 2015.

Workshop on HIV/ AIDS for employees of Holy Family Hospital in the month of September 2014.

Faculty Strength: Permanent- 25

Placement details

First batch of B.sc (Hons.) Nursing students completed the course in May 2015. All students were offered job in parent hospital (Holy Family Hospital). 38 out of 41 students have joined.

Extension and Outreach work

Health check up Camp- September 2014.

Total number of people enrolled / covered in the camps was 40.

Number of students who worked in the camps was 40

Hours dedicated – 8 hours X 3 Days

School Health Camp- September 2014

Total number of people enrolled / covered in the camps was 250 students in two schools.

Number of students who worked in the camps was 46

Hours dedicated – 4 hours X 10 Days

Eye Camp- September 2014

Number of students who worked in the camps was 40

Hours dedicated – 8 hours X 3 Days

Journals subscribed

Number of international journal subscribed (online + paper back version)- 72

Number of national journals subscribed (online + paper back version)- 26 +14

INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES

Activities and Achievements

“International Congress on Sports Psychology” organized by the Institute and Department of Physical Education & Sports Sciences, University of Delhi and Sports Psychology Association of India, during 15-18 October, 2014 at Sir Shankar Lal Hall, University of Delhi. Inter-college Volleyball Tournament: 2014-15 for girls was conducted successfully by the Institute in March, 2015. “Annual Blood Donation Camps” were organized by the Institute inviting Indian Red Cross Society, New Delhi on 02.04.2014 (Total 140 donors) and 26.03.2015 (Total 75 donors). “Swachhha Bharat” Mission, the Institute with the ‘Public Works Department (PWD)’ and Vikaspuri Welfare Associations was conducted on 25th September, 2014 to 2nd October, 2015. A Seminar was conducted on “Use of Technology and Innovation in Promoting Good Governance” and Competition on Oratory on 19th December, 2014. The Institute invited Prof. Brian Holding (CEO) and Mr. Barry Johnson (International Development Director) from “Human Kinetics”, Urbana Champaign, USA to search the best possibility of collaborative publications and other professional activities for the growth of IGIPSS, University of Delhi on 19th February, 2015. Dr. Meenakshi, Assistant Professor of the Institute was awarded Ph.D. from the Department of Physical Education & Sports Sciences, University of Delhi on 21st August, 2014.

Honours/Distinctions

Dr. D.K. Kansal, Principal: Nominated as Chairman, Organizing Committee for the UGC Sponsored International Congress on Sports Psychology, organized by IGIPSS and Department of Physical Education & Sports Sciences (Faculty of Inter-disciplinary & Applied Sciences), University of Delhi and Sports Psychology Association of India, during 15-18 October, 2014.
Vice-President for the All India Association of Sports for All.

Dr. Sarita Tyagi, Associate Professor: Nominated as Chairman, Organizing Committee for the UGC Sponsored International Congress on Sports Psychology, organized by IGIPSS and Department of Physical Education & Sports Sciences (Faculty of Inter-disciplinary & Applied Sciences), University of Delhi and Sports Psychology Association of India, during 15-18 October, 2014.

Dr. Rakesh Gupta, Associate Professor: Represented Indian Delegation as ‘Facilitator’ for the ‘Asia Forum’ on the occasion of celebration of Olympism at Kathmandu (Nepal), organized by the Youth UNESCO Club & Nepal Olympic Committee during July 16th to 20th, 2014.
Appointed and acted as ‘Observer’ for the 8th Junior National Dodgeball Championship held at Pune (Maharashtra) during 16th-19th February, 2015.

Appointed as ‘Member, Advisory Board’ for the International Journal of multi-disciplinary Advanced Research, published by Balaji Astha Education & Welfare Society.

Dr. Lalit Sharma, Associate Professor: Nominated as ‘Joint Secretary, Organizing Committee’ for the UGC sponsored International Congress on Sports Psychology organized by IGIPSS and Department of Physical Education & Sports Sciences (Faculty of Inter-disciplinary & Applied Sciences), University of Delhi and Sports Psychology Association of India, during 15-18 October, 2014.
Appointed as Co-editor for the publication of proceedings of ICSP-2014, published by SIK Foundation, ISBN: 978-81-7873-0776.

Dr. Meenakshi, Assistant Professor: Appointed as ‘Section Reviewer’ for the Indian Journal of Physical Education & Sports Sciences, ISSP 2320-7981.

Additional Distinctions of the Faculty Members:

Dr. D.K. Kansal, Principal: Appointed as an 'External Expert' by WHO Manual titled 'Development of Training Modules' for Health Professional (Doctors, Counselors, Community Health Workers) in addressing behavioral/Psychological risk factors for Non-communicable diseases, on 26th August, 2014 at New Delhi.

Invited as Delegate to Higher Education Summit on May 30, 2014, Hyatt Regency, New Delhi.

Appointed as an 'Expert Panelist' for a Workshop conducted for Physical Education teachers of DAV Schools on 'Importance of Traditional Games to Control Obesity' on June 27, 2014.

Invited as an Eminent Speaker on Panel Discussion during Global Sparte Convention on 2014 on Sports for All – Theory to action, organized by PHD Chamber of Commerce, New Delhi on August 12, 2014 on the occasion of International Youth Day.

Dr. Ashok Kumar Singh, Associate Professor: Nominated as an 'External Subject Expert' by the Ch. Charan Singh University, Meerut for admission to Sports Quota during 10.9.2014 to 12.09.2014.

Dr. Rakesh Gupta, Associate Professor: Appointed as an 'Observer, Association of Indian Universities for All India Inter-varsity Cross Country Championships (Men & Women), organized by M.G. University, Kottayam, held at Kochi (Kerala), on 18th October, 2014.

Acted as 'Resource Person' for five In-service Training Programme for Physical Education Teacher (TGT's and PGT's) organized by Department of Sports, Government of National Capital Territory of Delhi during the months of June and July, 2014.

Acted as 'Resource Person' for the preparation of 'Manual on Health & Physical Education' organized by District Institute of Education & Training, SCERT, New Delhi during 24th February to 2nd March, 2015.

Invited as Member of the Organizing Committee for the 3rd Ambedkar National Games-2015 by the Dr. B.R. Ambedkar Sports Foundation, New Delhi on 28th February, 2015.

Invited at Major Dhyam Chand Sports Awards Function on 10th March, 2015 at India Islamic Centre, Lodhi Road, New Delhi.

Attended as 'Resource Person' on the event of 'Celebration of Commonwealth Day', organized by the International Olympic Academy Participants Association, CYS DP, Wheeling Happiness (NGO) and Hora Jeewan (an NGO) on March 9th, 2015 at New Delhi.

Invited as 'Eminent Speaker and Panelist' for 'Sports for All – The Track Ahead' during PHD Global Sports Convention – 2014 on August 12, 2014 during the celebration of International Youth Day, organized by PHD Chamber of Commerce, New Delhi.

Dr. Vijay, Medical Officer-cum-Associate Professor: Acted as 'Resource Person' for five In-service Training Programme for Physical Education Teacher (TGT's and PGT's) organized by Department of Sports, Government of National Capital Territory of Delhi during the months of June and July, 2014.

Dr. Lalit Sharma, Associate Professor: Appointed as 'Resource Person' for one day workshop on Re-envisioning Physical Education on 6th September, 2014, organized by DAV Centenary Public School, Meerut (U.P.).

Acted as 'Resource Person' for Sports Psychology during PGT Refresher Course on 27.06.2014.

Dr. Meenakshi, Assistant Professor: Acted as 'Resource Person' for workshop on Health & Physical Education, conducted by DIET during February 23 to March 2, 2015.

Mr. Dharmander Kumar, Assistant Professor: Nominated as Manager for North Zone Inter-University Kabaddi (Men) Tournament by University of Delhi during 18-22 February, 2015.

Research Projects

Total 9 research scholars carried out their research work in collaboration with the IGIPSS, University of Delhi under the guidance of its faculty members.

Library Development

The Institute has initiated the concept of Digital Library'. In this process, all books equipped in the IGIPSS Library, have been put on-line through the data base (OPAC) with the help of XAMPP Server. The M.P.Ed. Dissertations, Ph.D. Theses, Question Papers and Syllabus etc. have been made available in digital format through Micro Media Dream Viewer (MMDV) on Intranet, connected to the Institute's IP address.

Total 199 books were added to the Library especially in the areas of Sports Psychology, Kinesiology, Sports Training, Sports Medicine, & Health, Physical Fitness, Sports Marketing & Management and Physiology of Exercise etc. during the year.

Total 100 books were received on complementary basis published by 'Human Kinetics' related to Physical Education & Sports Sciences on curtesy by Prof. Brian Holding (CEO) and Mr. Barry Johnson, (International Development Director)

Publications

Kansal, D.K.: Empowering Teachers for School Children 's Good Health, Fitness and Wellness published in Indian Journal of Physical Education and Sports Sciences, Vol.2:2, July, 2014 pp13-19.2014.

Kansal, D.K. : Psychological Preparation of Educationists to Introduce Panaroma Technology and Balanced Education Concept published Souvenir ICSP for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, p: 39-44. 2014.

Sharma, M & L. Sharma : Effect of Relaxation Intervention on the Pulse Rate of the Indian Gymnast,published Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp219-222.

Semwal, J., V. Semwal, R. Singh and L. Sharma : Effectiveness of Cognitive Behavior Therapy on the Performance of Players in Taekwondo, published Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp197-204.

Meenakshi, L. Sharma & Anit : An Assessment of Goal Setting Among Indian Performers, published Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp269-271.2014

Kumar, D., Meenakshi and S. Tiwari (2014). To Compare Musculoskeletal Fitness between Government and Publics School' 10 years Old Boys of Delhi, Concept published Proceedings for International Congress on Sports Psychology, ISBN: 978-81-7873-077-6, October 2014, pp100-103.2014

Conferences/ Workshops Organized/Attended

“International Congress on Sports Psychology” organized by the Institute and Department of Physical Education & Sports Sciences, University of Delhi and Sports Psychology Association of India, during 15-18 October, 2014 at Sir Shankar Lal Hall, University of Delhi.

Seminar on “Use of Technology and Innovation in Promoting Good Governance” and Competition on Oratory on 19th December, 2014 organized at Conference Hall, IGIPSS, Vikaspuri, New Delhi.

Dr. D.K. Kansal, Principal: Presented the concept paper entitled 'Psychological Preparation of Educationists to Introduce Panorama Technology and Balanced Education Concept' in the International Congress on Sports Psychology, jointly organized by IGIPESS and Department of Physical education & Sports Sciences, University of Delhi and Sports Psychology Association of India, on 15-18 October, 2014.

Presented a concept note on 'Issues Concerning Implementation of Sports for All – Theory to Action' at PHD Global Sports Convention – 2014 on Sports for All – A Track Ahead, organized by PHD Chamber of Commerce, New Delhi on 12th August, 2014.

Dr. Rakesh Gupta, Associate Professor: Presented a Concept Paper on 'Professional Preparation and Career Avenues in Physical Education and Sports Sciences at PHD Global Sports Convention-2014, on Sports for All – A Track Ahead, organized by PHD Chamber of Commerce on 12th August, 2014.

Attended a Workshop on 'Research Metrics', organized by Research Council & Delhi University Library System held at University of Delhi on 26th February, 2015.

Dr. Lalit Sharma, Associate Professor: Delivered a Key Note Address in UGC Sponsored one day Seminar on 'Career Opportunities in PE & SS' in Brizani City College, Nagpur on 27.9.2014.

Delivered a Key Note Address on Mental Health & Endurance among Sports Person in NSSM College, Nagpur on 23rd August, 2014.

Faculty Strength: Permanent- 28 + 1 (Principal) Deputation- 01 (Librarian)

Financial Allocation and Utilization

Grant Sanction : Rs.10,04,15,000/- (Ten Crores Four Lakhs & Fifteen Thousand)

Utilization : Rs. 9,30,00,795/- (Nine Crore Thirty Lakhs Seven Hundred Ninety Five)

Extension and Outreach work

A Lecture-cum-Interaction programme with Dr. David Yukelson, Director, Sports Psychology Services, Pennsylvania State University, USA on 21.10.2014 in the Assembly Hall of IGIPESS.

The students of IGIPESS participated in 'Run for Unity' (Rastriya Ekta Diwas) on 31st October, 2014 held at Vijay Chowk, New Delhi.

A 10 days Workshop on 'Peace Development' was conducted in Collaboration with 'The Prem Rawat Foundation': The faculty members, students & research scholars attended the programme at IGIPESS.

A one day programme on Happiness & Stress Management through Meditation was organized on 23rd January, 2015 at IGIPESS by Sawan Kirpal Ruhani Mission, New Delhi.

A programme on 'Man Making' on the occasion Swami Vivekanand Birth Anniversary on 30th January, 2015 at IGIPESS by Vivekananda Asharam.

Students numbers under exchange programme

Under-graduate inbound: 01

Journals Subscribed

Number of International Journal subscribed

Online : Approx. 40 data base though University of Delhi.

Paperback Version : 03

Number of National Journals subscribed:

Paperback Version: 12

Other Significant Information**National Cadet Corps (NCC):**

A total of Seven Cadets have been selected for Advance Leadership Camp (ALC) held from 27th December, 2014 to 2nd January, 2015 at Agra (U.P.).

A total of Three Cadets have been selected for PM Rally (Para – Slathering) held from 26th November, 2014 to 28th January, 2015 at New Delhi.

A total of Six Cadets have been selected for Trekking Camp held from 11 July, 2014 to 18th July, 2014 at Tirupati (A.P.).

A total of Three Cadets have been selected for NCC National Games held from 7th October, 2014 to 19th October, 2014 at New Delhi.

A total of Ten Cadets have been selected for Annual Training Camp (ATC) held from 2nd January to 11th January, 2015 at New Delhi.

Sports

A total of 70 Athletics' Technical Officials of the Institute under the supervision of Dr. Rakesh Gupta, Associate Professor have been appointed for the 7th Delhi State Para Athletics Meet-2015, held at Jawahar Lal Nehru Stadium on 14-15 February, 2015.

A total of 80 Athletics' Officials and Volunteers of the Institute performed for the 'Salwan Marathan-2014', held at Army Equestrian Centre, Delhi Cantt. on November 2, 2014.

A total of 25 Athletics Technical Officials of the Institute under the supervision of Dr. Rakesh Gupta, Associate Professor deputed for the 'CRPF Half Marathan', held at Jawahar Lal Nehru Stadium on 2th October, 2014.

A total of 20 Athletics' Technical Officials of the Institute were deputed for the 74th Delhi State Annual Athletics Championships held at Jawahar Lal Nehru Stadium, New Delhi from 7-9 August, 2014.

A total of 25 Athletics' Technical Officials of the Institute under the supervision of Dr. Rakesh Gupta, Associate Professor were deputed for Athletics Meet-2015 (Udaan-2015) organized by Equal Opportunity Cell, University of Delhi.

Sports and Extra Curricular Activities at the University/Inter-University/Regional/National Level:

S.No.	Sport	National	All India Inter-University	North-Zone Inter-University	Inter College	State
1	Athletics				1 (1 st) 1 (2 nd) 4 (3 rd)	3 (1 st) 3 (2 nd) 1 (1 st)
2	Ball Badminton	1 (Parti.)				
3	Baseball		2 (1 st)			3 (2 nd) 1 (3 rd)
4	Basketball	2 (3 rd)				
5	Fencing		2 (Parti.)	2 (Parti.)		1 (1 st)

6	Gymnastics	3 (Parti.)	2(Parti.)			4 (1 st)
7	Handball			1 (Parti.)		
8	Judo	1 (Parti.)	1 (2 nd)			
9	Kho-Kho	1 (1 st) 4 (Parti.)	5 (Parti.)	5 (2 nd) 5 (Parti.)		
10	Netball		1 (Parti.)			
11	Rugby	1 (Parti.)				
12	Softball		2 (2 nd)		Women Team (3 rd)	
13	Swimming					2 (3 rd)
14	Taekwondo				3 (1 st) 2 (2 nd) 4 (3 rd)	
15	Volleyball	1 (Parti.)				2 (2 nd) 5(3 rd)
16	Wrestling		1 (Parti.)			
17	Yoga				2 (1 st)	

INDRAPRASTHA COLLEGE FOR WOMEN

Activities and Achievements

Indraprastha College for Women (estd. 1924) added two learning centres: Translation and Translation Studies Centre and the Museum and Archives Learning Resource Centre, for all students and scholars. The second edition of the Round Table Conference on Gandhi was held. The Centenary Decade UG Research Grant was announced for original and innovative research by students of the College. The College held one International Conference-Festival and two National Seminars. The first student journal titled CODE, was released. A commemorative monthly lecture series on 100 years of Gandhi's return from South Africa to India has completed 3 lectures. Students secured 8 University positions in exams and won laurels in sports, co-curricular and extra curricular activities. The principal, faculty and students have published their work in prestigious books and journals. The non-teaching staff has augmented their qualifications and undergone various training programmes. The College has posted its SSR for NAAC, secured AICTE approval and has been inspected for two new honours courses in Sociology and Geography.

Library development

Number of books and journals added : 1216

Publications

Archana Singhal and Sonia. 'Selection of Security Activities for Integration with Agile Methods after Combining their Agility and Effectiveness', IJWA, (6(2): 57-67,2014.

Dr. Archana Singhal with Sonia & Hema Banati, 'FISA-XP: an agile-based integration of security activities with extreme programming', ACM SIGSOFT Software Engineering Notes, 39(3):1-14, 2014.

Archana Singhal with S. Agarwal, P. Bedi, E.Jain & G. Gupta, 'Proactive predictions to handle issues in recommendations', Advance Computing Conference (IACC), 2014 IEEE International.

Archana Singhal with S. Agarwal, 'Ontology Enrichment: A Tool to Empower Hybrid Recommender Systems', Int. J. of Recent Trends in Engineering & Technology, 2014.

Archana Singhal with Shikha Agarwal, 'Handling skewed results in news recommendations by focused analysis of semantic user profiles', in *Optimization, Reliability, and Information Technology (ICROIT)*, 2014 International Conference, IEEE, 2014.

Chitra Joshi co-edited with an introduction, 'Labour in Transport: Histories from the Global South, c. 1750-1950.

Meena Bhargava ed. *The Decline of the Mughal Empire, Debates in Indian History and Society*, New Delhi: Oxford University Press, 2014.

Conferences Organized

International Conference-Festival on *Plurilingualism and Orality in Translation* organized between 2-4 March 2015.

National Seminar on *Online Retail in India: Emerging Trends and Future Challenges*, Department of Commerce

National Seminar on *Frontiers of Computational Research*, Department of Computer Science

Conference on *Disaster Management: A Mandatory Life Skill for Youth*.

Conferences Attended

Babli Moitra Saraf, Principal, 'Walking the Tightrope', International Conference, 'Everyday Life in Contemporary India', Department of Media, Film and Communication, Otago University, New Zealand, New Zealand India Research Institute and the Department of Journalism and Communication, University of Madras, December 12-18, 2014.

Anindita Roy Saha, 'The Environment-Economy Interface' Resource Person at UGC-Sponsored Refresher Course in Environmental Studies, CPDHE, University of Delhi, November 25, 2015.

Anita Cherian, 'Two Report and an Assemblage: Decoding Processes of Decentralization in the Fields of Culture', Department of Humanities, IIT Delhi, September 23, 2014.

Debjani Sengupta, 'The Taste of Freedom: Gender and Citizenship in Bangla Partition Fiction', International Seminar 'Partition Literature: Memory and Inheritance of Self, Netaji Subhas Open University, Kolkata, February 8-10, 2014.

Mita Bose, 'Two representations of Asia's sordid underbelly – A comparative study of Aravind Adiga's *The White Tiger* and Mohsin Hamid's *How to get Filthy Rich in Rising Asia*' at IACLAL's (Indian Association of Commonwealth Literature and Language Studies) Conference on 'Margins, Globalization and the Postcolonial', Punjab University, Chandigarh, February 20, 2014.

'Resettlement Colonies in Delhi – the case of Tilak Vihar and Sikh killings of November 1984', Workshop on 'Planning Modernity: Colonial Continuities, Post Colonial Disjunctions', School of Language and Literature and Cultural Studies, Jawaharlal Nehru University, New Delhi, October 25, 2014.

'Plight of 1984 Sikh carnage victims in resettlement colony Tilak Vihar today', Convention on 'Idea of India Conclave: Commemorating 30 years of the Anti-Sikh Riots', India Islamic Centre, New Delhi, November 8, 2014.

Vinita Sinha, 'The Post-Colonial Factor in Achebe's Trilogy', Patna Women's College, Patna, July 2014.

'Negotiating the "Impossible" in Latin American Short Stories', Patna Women's College, Patna, December 2014.

Harsh Bala Sharma, 'Understanding Media Ke Madhyam Se Dilli Par Bani Filmon Ka Sanskritik Adhyayan', Rajasthan International Film Festival, Jaipur, October 28-29, 2014.

'Ritikaleen Kavya Ke Sandarbh Mein Naitikta Ke Vistar Ki Aavashyakta', Refresher Course, Department of Hindi, CPDHE, University of Delhi, December 2, 2014.

Meena Bhargava, 'Debating Environment and Environmentalism: A Historiography', Resource Person at UGC-sponsored Refresher Course in Environmental Studies, CPDHE, University of Delhi, December 5, 2014.

'Understanding Environment through the Prism of India's Forests: Harappa to Chipko', Resource Person at UGC-sponsored Refresher Course in Environmental Studies, CPDHE, University of Delhi, December 8, 2014.

Meenakshi Khanna, 'Sthapit Manyatayen Aur Vivad: Madhyakal Aur Samkalin Prashn', National Seminar 'Madhyakal Aur Samkalin Prashn', Motilal Nehru College, University of Delhi, March 25-26, 2014.

'Intellectual and Religious Aspects of Shah Jahan's Reign', International Workshop, 'The Mughal Empire under Shah Jahan (1628-58): New Trends of Research', Institute of Iranian Studies, Austrian Academy of Sciences, Vienna, May 26-27, 2014.

Rashmi Pant, 'Regulating Conjugalities: Husband, 'Wife' and 'Widow' as subjects of Law', Kumaon, 1815-1960', Nehru Memorial Museum and Library, New Delhi, December 1, 2014.

Albert Abraham, 'Regulating Indian Media: Is Critical Media Literacy, an Alternative?' (Co-authored), The Educand Journal of Humanities and Social Science, Vol.3, No.1, 2014.

Manasvini M. Yogi, 'Business Ethics: Advertising for Children and with Children', International Conference 'Bounds of Ethics in a Globalised Worlds', Dharmamam College, Christ University, Bengaluru, January 2014.

Faculty Strength: Permanent -99; Temporary: 2; Ad-hoc - 45

Financial Allocation and Utilization

Grant sanction in Rs. 28,63,30,000

Utilized in Rs. 23,50,00,000

Placement details

Number of Students getting successful placements: 50

Number of Companies/Industries coming for campus recruitment: 50

Number of repeat recruiters: 11

Extension and Outreach work

Number of Camps organized in the surrounding areas: 02

Journals subscribed

Number of international journals subscribed (online + paper back version): 21

Number of National journals subscribed (online + paper back version): 42

Other Significant Information

The Prestigious Dr. Shankar Dayal Sharma Gold Medal was awarded to Ms. Nidhi Mishra, (VH student) of History (Hons.) for the year 2013 and to Ms. Vartika Singh, student of Hindi (Hons.) for the year 2014.

The Budding Economist of the Region award won by Ms. Shefalika, student of IIIrd year Economics (Hons.) with her presentation and performance at the South Asia Economics Students Meet.

Ms. Ayesha Sareen, student of IInd year Economics (Hons.) made her debut as a published writer and her short story, 'The Third Love' was published in the anthology DU Love, from Vigilante publications, Gurgaon.

Ms. Saachi Soni, student of III yr BMMMC after her Everest expedition in April 2013 became the youngest girl to climb Europe's highest peak Mt. Elbrus in July 2014.

Ms. Garima Singh, student of IInd year Psychology (Hons.) was awarded All India Best NCC Cadet Silver Medal at Republic Day Camp (Finals) 2015.

Dr. Harsh Bala Sharma was awarded Tagore Chair at the Department of Language and Civilization of South Asia, University of Lausanne, Lausanne, Switzerland.

Ms. Ankita Pandey was awarded Commonwealth Scholarship by the Government of United Kingdom & University of Oxford.

Dr. Vinita Sinha was awarded a UGC funded Major Research Project entitled 'Subversion on the Margins: A Study of Folk Songs and Oral Narratives from the Regions of Bihar and Bengal'.

Dr. Babli Moitra Saraf was awarded the C.F. Andrews Distinguished Alumnus award of St. Stephen's College, University of Delhi.

INSTITUTE OF HOME ECONOMICS**Honours/Distinctions**

Dr. Bani T Aeri was awarded the Dr. Alex Malaspina International Scholar Travel Award 2015. Ms Medha Gupta and Ms Shipra Gupta received President's Award for Best Paper (Poster) in Community

Nutrition at 47th Annual National Conference of Indian Dietetic Association held at AIIMS, New Delhi from 21 - 23 December 2014, for paper entitled "Dietary Practices, Lifestyle Patterns and Nutritional Status of Emerging Male Adults in Different Living Arrangements".

Ms Nidhi Gulati has been awarded the prestigious Fulbright Nehru Doctoral Fellowship 2014-2015.

Dr. Seema Puri was awarded the Australian Awards Fellowship at Sydney School of Public Health, Sydney Medical School, University of Sydney, Australia for a two week Intensive Training Course on 'Enhancing Capacity to Strengthen Policy and Interventions to Reduce Child Undernutrition', 11-22 August 2014.

Ms Shipra Gupta was declared 'Digital Literacy Champion' in a course on 'Digital Literacy and Innovation for Tomorrow's Education' (D-LITE) organized by University of Delhi for University/College teachers in collaboration with Edinburgh College, Scotland and attended one week training on Digital Literacy at Edinburgh College, Edinburgh, Scotland from 30th June - 5th July, 2014.

Research Projects

Dr. Ashima Vohra completed her project on 'Probiotics from Indian Fermented Foods' sponsored by the DST, India.

Dr. Geeta Trilok-Kumar is the PI of the project entitled "Trial of vitamin D supplementation to prevent acquisition of latent tuberculosis infection in school children (ViDiKids)", funded by Medical research Council, UK.

Ms Neeti Vaid is the Co-Investigator in a research project titled "Participatory Communication forward Transformation: Let's Do it Punjabi Bagh" funded by HSMI, Housing and Urban Development Corporation (HUDCO).

Ms Nidhi Gulati and Ms. Mamta Singhal have an ongoing project funded by ICSSR, titled "Facilitating Constructivism in Government schools".

Dr. Seema Puri is the Principal Investigator of the project. "Nutritional risk factors for growth and development of low birth weight infants in the first year of life (2014 -)" funded by Indian Council of Medical Research.

Library Development

The Institute has a fully computerized library with adequate infrastructure and a rich collection of more than 23,000 reference materials in the form of text/ reference books, journals, thesis and periodicals. Besides accessing DU e-journals, the Institute subscribes to nearly 40 national and international journals. A bar code system with smart cards and scanners is used for the circulation of books.

Book/Publications

K Khanna, Gupta S, Seth R, Passi SJ, Mahna R, Puri S. Textbook on Nutrition and Dietetics, (2nd Ed) Elite Publishing House Limited, 2014. ISBN: 978-81-88901-53-1.

Ashi Kathuria, Eliezer Orbach and Deepika Anand. Institutional Arrangements for Nutrition in India: an assessment of capacity. A World Bank Publication, 2014 (WB Report No. ACS8)

Deepika Anand and Gopi Ghosh. Food and Nutrition Security and Poverty. Leadership Insights: A focused dialogue, Asian Institute of Poverty Alleviation, 2014.

Faculty Strength: Permanent Faculty: 50; Ad hoc Faculty: 47

Financial Allocation and Utilization

Grant sanction in Rs. : Rs.22.76 crore
Utilized in Rs. : Rs. 18.71 Crore

Patents filed/granted

Number and title of national patents

Dr. Amita Walia, Associate Professor in the Department of Fabric & Apparel Sciences and Ms. Tulika Talwar as inventor for patent (DEL No: 879/Del/2013) “*Multifunctional Natural Healing Matrix, Wound Healing Bandage/Dressing*”.

Number and title of international patents: The title “*Multifunctional Natural Healing Matrix, Wound Healing Bandage/Dressing*” is also filed at international level and the result is awaited.

Placement details

Number of students getting successful placements

Placements at UG level: 7

Post Graduate Placement: 7 (Fabric & Apparel Science), 12 (Food & Nutrition),

14 (PG Dip. In Dietetics & Public Health Nutrition), 4 (PG Dip. In Health & Social Gerontology)

Number of Companies/ Industries coming for campus recruitment

Godrej & Boyce, Samvedna Sr. Care, Dr. Shikha’s Nutrihealth systems, VLCC Health Care, AIIMS on Research Projects of Department. of Endocrinology & Department. of Human Nutrition, Agencies recruiting for Nestle & GSK Healthcare, Triage Overseas, Begampur, Business Coordination House, Barakhamba Road, Fab India, Delhi, Anugraha, Help Age India, Vridh Kesari

Domestic/ International (MoUs) signed with partners

With Indian/ Foreign Universities: One MoU named “*SCIENCE SETU*” signed between *Microbiology Department of IHE & National Institute of Immunology (NII)*.

With Indian/ Foreign Companies/ Industry: One MoU signed between *IHE & Hindustan Coca Cola Beverages Pvt. Ltd. (HCCBPL)*.

Extension and outreach work

Number of camps organized in the surrounding areas

The College organized one day *Cancer Awareness Camp in association with Rajiv Gandhi Cancer Research Institute, Rohini* for its staff and students.

Number of people enrolled/ covered in the camps: Organized for all the staff and students. About 300 students, faculty and other staff enrolled/covered in the camp.

Number of students who worked in the camps: About 15 students along with faculty worked in the camp.

Total number of hours dedicated to the camp: 4-5 hours

Journals subscribed

International Journals : 05

National Journals : 12

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES

Research Projects

Saving the brain increasing awareness of thrombolysis (acute stroke management) among general physicians, health care workers and community, Funded by World Federation of Neurology (Department of neurology)

nNOS and iNOS gene polymorphism & expression in Zebrafish model of AD, funded by DBT under BIO-Care scheme (Department of Neurochemistry)

Comparative Evaluation of Newer Biodosimetric approaches to assess Acute Radiation Damage funded by ICMR (Department of Neurochemistry)

A Study on Environmental Exposure in Alzheimer's disease, funded by ICMR. (Department of Neurochemistry)

'Molecular diagnosis and characterization of Drug resistance genes in M. tuberculosis from patients of TBM and its correlation with host factors' (Department of Microbiology)

Library development

Total budget : Rs 33,26,562/-

Books added: 230

Journals subscribed to: Foreign journals--94, Indian journals --50

17 Karger packages of e-resources

Online journals made available to the users under NMLERMED

WHO Resources

Publications

Singh V, Gupta D.K, Desai NG, Srivastava A, Chaudhary R, Varma A, Sengupta S. Socio-Demographic and Clinical Profile of Patients with Attempted Suicide Attending Emergency Services at a Mental Health Institute in Northern India. *J Mental Health Hum Behav* 2014; 19:69-73

Edited and contributed chapters “Mental Health Care of Children ” by Delhi Commission for the Protection of Child Rights (DCPCR), Government of NCT of Delhi in December 2014

Malhotra M, Kumar D and Verma R. Effect of Psychosocial environment in children having mother with schizophrenia. *Psychiatry Research*, 2014; 226: 418-424.

Kar SK, Bansal S and Kumar D. An extremely rare association of Dyggve-Melchior-Clausen syndrome with mania: coincidence or co morbidity. *Indian J Psychological Medicine*.2015: 37; 226-229

Kar SK, Kumar D, Singh S, and Upadhyay PK. Psychiatric manifestation of chronic subdural hematoma: the unfolding of mystery in a homeless patient . *Indian J Psychological Medicine*.2015: 39; 239-242

Books/Book Chapters/Monographs

Contributed chapters and edited the publication titled “*Mental Health Care of Children* ” by Delhi Commission for the Protection of Child Rights (DCPCR), Govt. of NCT of Delhi in December 2014.

Contributed chapters in the Training Module in Mental Health for GPs and Medical officers titled “*Guidelines for the management of Common Mental disorders*” by Directorate General of Health Services, and Ministry of Health and Family Welfare, Government of India in October 2014.

Books/Monographs (Authored/Edited)

Om Prakash and others. Introduction to Common Psychiatry illnesses- A guide to Psychiatry in General Practice. Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India, October 2014.

Research papers published in Referred/Peer Reviewed Journals

Tripathi P, Goyal P, Kumar D, Prakash O. High doses of aripiprazole therapy for a patient with treatment-resistant schizophrenia responsive to, but intolerant of, clozapine. *Aust N Z J Psychiatry*. 2015 Feb;49(2):185. doi: 10.1177/0004867414550211. Epub 2014 Sep 12. PubMed PMID: 25217184.

Prakash O, Kar SK, Sathyanarayana Rao TS. Indian story on semen loss and related Dhat syndrome. *Indian J Psychiatry*. 2014 Oct;56(4):377-82. doi:10.4103/0019-5545.146532. PubMed PMID: 25568479; PubMed Central PMCID:PMC4279296.

Jain A, Kamal Kumar V, Jhirwal O, Suthar N. “Gilhari (Lizard) Syndrome” A New Culture Bound Syndrome. *J Psychiatry* 2014; 17: 117 doi: 10.4172/Psychiatry.1000117

Garg A, Sinha P, Kumar P, Prakash O. Use of naltrexone in ketamine dependence. *Addict Behav*. 2014 Aug;39(8):1215-6. doi: 10.1016/j.addbeh.2014.04.004. Epub 2014 Apr 13. PubMed PMID: 24813545.

Ranga GS, Tomar LR, Narang S, Tripathi P, Jhirwal OP. Risperidone causing hyponatremia. *Journal of Acute Medicine* 2014; 4(3):133-134.

Achalia R, Lakkas Y & Prakash O.P: Management of geriatric mania complicated by hyponatremia and psychogenic adipsic hypernatremia. *Journal of Clinical Gerontology and Geriatrics* 2014; 5(2):61-62.

Sujit Kumar Kar, Abhilove Kamboj, Rajesh Kumar “Pica and Psychosis: Clinical Attributes and Correlations –a Case Report” published in *Journal of Family Medicine and Primary care* (dated March 2015).

Singh V, Gupta DK, Desai NG, Srivastava A, Chaudhary R, Varma A, Sengupta S. Socio-Demographic and Clinical Profile of Patients with Attempted Suicide Attending Emergency Services at a Mental Health Institute in Northern India. *J Mental Health Hum Behav* 2014; 19:69-73.

Sravani Chauhan, Praveen Tripathi, Amit Khanna, Priyanka Goel. Valproate for management of Idiopathic Olfactory Hallucinosi s in Australian and New Zealand *Journal of Psychiatry* available online <http://anp.sagepub.com/content/early/2014/09/12/0004867414550210.extract.jpg> dated 11.3.2014.

S Bansal, SK Gupta. Response to article: Behavioral management in children with intellectual disabilities in a resource-poor setting in Barwani, India. *Indian Journal of Psychiatry* 2014;56 (4) 407,.

SK Gupta, S Bansal Reversible bilateral sensori-neural hearing loss due to olanzapine in a male suffering from bipolar affective disorder *Indian Journal of Pharmacology* 2014; 46 (4), 453-454.

Shwetank Bansal, SK Gupta, SK Kar. *A rare case of very early onset obsessive compulsive disorder with co-morbid Agoraphobia* *J. Indian Assoc. Child Adolesc. Ment. Health* 2015; 11 (2), 158-169.

P Singh, S Kar, R Kumari, SK Gupta. *Dermatosis Neglecta in Schizophrenia: A rare case report* *Indian Journal of Psychological Medicine* 2015; 37 (1), 93.

Grover S, Avasthi A, Sharma A. Motoric subtypes of delirium in geriatric patients. *J Geriatric Mental Health* 2014;1:14-9.

Akhila Kumar Panda, VachanJayant Mehta, Aldrin Anthony, Dung Dung, Suman Kushwaha. Face of Giant Panda Sign in Wilson's Disease. *Journal of Physician of India*. 08/2014.

Suman Kushwaha, Seema Malik, Garima Sarraf, Aldrin Dung Dung. Thrombolysis in Recurrent Stroke-Beyond Guidelines: A Case Report. *Journal of stroke and cerebrovascular diseases: the official journal of National Stroke Association* 07/2014.

Puneet Talwar, Yumnam Silla, Sandeep Grover, Meenal Gupta, Rachna Agarwal, Suman Kushwaha, Ritushree Kukreti. Genomic convergence and network analysis approach to identify candidate genes in Alzheimer's disease. *BMC Genomics* 03/2014; 15(1):19

Chaturvedi S, Pant I, Kushwaha S, Jha DK. Intravascular lymphoma: an unusual cause of rapid cognitive decline and the role of brain biopsy. *BMJ Case reports* 2014; doi:10.1136/bcr-2014-205835

Kumar S, Handa A, Jha D.K, Choudhary A. Supratentorial metastasis of medulloblastoma in adults. *Asian J Nsurg* (<http://www.asianjns.org/preprintarticle.asp?id=149993>)

Gautam, V.K.S. Ravinder Singh and Sarbjeet Khurana (2014). Reviewing Neurosurgical Management in Brain Metastases: Three Case Reports. *International Journal of Medicine*. 2(2)(2014); 87-90. doi: 10.14419/ijm.v2i2.3670

Shrivastava, Ankur; V.K.S Gautam, Akriti Khare, Ravinder Singh (2014). CNS Tuberculoma Mimicking Brain Metastasis. *International Journal of Medicine*. 2(2) 2014;pp68-70; doi: 10.14419/ijm.v2i2.3452

Pant I, Chaturvedi S, Jha DK, Kumari R, Parteki S. Radiologic pathologic correlation and diagnostic approach. *J Neurosci Rural Pract* 2015; 6: 191-97.

Gupta A, Gupta C, Kapoor A. An unusual presentation of primary cell leukemia as a psychiatric disorder: a diagnostic dilemma- a case report and review of literature. *Indian J of Path & Onco* 2015; 2(1):48-52.

Books/ Book Chapters/Monographs

Dr. Rajeev Thakur contributed to the chapters on Parasitic Diseases and Animal Bites in Standard Treatment Guidelines, eds. Sangeeta Sharma, G.R. Sethi and Usha Gupta, for revised/special editions of 2014.

Publications in Scientific Journals

Gupta R, Thakur R, Gupta P et al. Evaluation of Geno Type MTBDR. *plus* line probe assay for early detection of Drug resistance in tuberculous meningitis patients in India. *Journal of Global Infectious Diseases* 2015; 7: 5-10.

Paul M, Gupta R, Kushwaha S, Thakur R. *Kocuria rosea*: An emerging pathogen in acute bacterial meningitis- Case report. *Journal of Microbiology and Antimicrobial agents*. 2015; 1(1): 4-7.

Books

Standard Treatment Guidelines, Special edition for Delhi jointly published by Delhi Society for Promotion of Rational Use of Drugs, Directorate of Health Services, Government of NCT of Delhi and Wolters Kluwer Health, Sangeeta Sharma, GR Sethi, Usha Gupta (eds), 2014.

Chapter

Sangeeta Sharma, Fauzia Tabassum, Pradeep Dwivedi, Rachna Agarwal, Suman Kushwaha, Kiran Bala, Sandeep Grover, Ruchi Baghel, Ritushree Kukreti, Chandra B. Tripathi. Critical appraisal of serum phenytoin variation with patient characteristics in a North Indian population. *Neurology India* March 2015; 63: 2: 202-208.

S Soni, P Agrawal, N Kumar, G Mittal, DK Nishad, NK Chaudhury, A Bhatnagar, M Basu and N Chhillar. Salivary biochemical markers as potential acute toxicity parameters for acute radiation injury: A study on small experimental animals. *Hum Exp Toxicol*. 2015. DOI: 10.1177/0960327115579433.

Neeraj Kumar Singh, Basu Dev Banerjee, Kiran Bala, Mitrabasu, Neelam Chhillar. Gene-Gene and Gene-Environment Interaction on the risk of Parkinson's Disease. *Curr Aging Sci*. 2014;7(2):101-9.

Talwar Puneet, Silla Yumnam, Grover Sandeep, Gupta Meenal, Agarwal Rachna, Kushwaha Suman and Kukreti Ritushree. Genomic convergence and network analysis approach to identify candidate genes in Alzheimer's disease. *BMC Genomics* 2014, 15:199.

Agarwal Rachna. Quality-Improvement Measures as Effective Ways of Preventing Laboratory Errors. *Lab Medicine* 2014;45:e80-e88.

Sharma S, Tabassum F, Dwivedi P, Agarwal R, Kushwaha S, Bala K, *et al.* Critical appraisal of serum phenytoin variation with patient characteristics in a North Indian population. *Neurol India* 2015;63:202-8.

Vinod K S Gautam, Sarbjeet Khurana, Ravinder Singh: Multi Drug resistant (MDR) tuberculous meningitis with hydrocephalus treated with ventriculo-peritoneal shunting: a review. *IJM*,3(1)2015;22-25

Renu Gupta, Sarbjeet Khurana, Ravinder Singh: Progress, challenges and opportunities for HIV prevention and control among high risk groups: a public health perspective. *10/2014; 2(2):76-80.*

Ravinder Singh, Vibha Sharma, Sarbjeet Khurana, Upmesh K.Talwar: Culture of missing girls: Anthropological insight in culture, medical technologies and medicine. *03/2014; 2(1) 2014: 7-16.*

Gupta A, Chavi, Sarbjeet Khurana Evaluation of total creatine kinase levels in a spectrum of neuropsychiatric disorders in a tertiary neurosciences centre in *International journal of Medicine and Public health* on 16th March, 2014. (Accepted)

Renu Goyal, Sarbjeet Khurana and Ravinder Singh (2014). Progress, challenges and opportunities for HIV prevention and control among High Risk Group: A public health perspective. *International Journal of Medicine*. 2(2)(2014); 76-80. doi: 10.14419/ijm.v2i2.3564.

Ravinder Singh, Upmesh K. Talwar and Akshi Duggal(2015). Medical Anthropology: Re-imagining Suffering of Brain & Mind in Annual International Conference on Anthropology, 15-18 June 2015, Athens, Greece. (Abstract Published).

Agarwal Rachna, Tripathi C.B. *Association of Apolipoprotein E Genetic Variation in Alzheimer's Disease in Indian Population: A Meta-analysis*. *American Journal of Alzheimer's Disease & Other Dementias* 2014, Vol. 29 (7): 575-582.

Sharma S, Tabassum F, Dwivedi P, Agarwal R, Kushwaha S, Bala K, Grover S, Baghel R, Kukreti R, Tripathi C.B. *Critical appraisal of Serum Pheny toin Variation with Patient Characteristics in a North Indian Population*. *Neurology India* 2015; 63: 202-208.

Conferences Organized/Attended

Dr. N G Desai: Attended Annual National Conference of the Association of Industrial Psychiatry of India (ANCAIPI 2014) and delivered lecture on “Disaster Mental health – Knowledge to Practice” in Bhopal on November 30, 2014

Prakash O. Clinical and therapeutic particularities of depression in old age. *Indian J Psychiatry* 57 (Supplement), January 2015, S3 (Tilak Venkoba Rao Oration Award 2014)

Dr. Rajesh Kumar participated in the Mid term CME organized by Delhi Psychiatric Society on the topic of “*The New Mental Health Act – Fine Print*” on 3rd August, 2014.

Participated in the Symposium on “Child Sexual Abuse- Prevention & Response” by the Indian Medical Association & CMAAO in Association with UNICEF held on 7th June, 2014 at Indian Habitat Centre (IHC), New Delhi.

Dr. Amit Garg :67th Annual National Conference of the Indian Psychiatric Society (ANCIPS 2015) at Hyderabad.

Dr. Sumit Kumar Gupta: Participated as Resource Faculty in The NCPCR Workshop on Continuing Professional Development (CPD) OF Counsellors of Child Care Institutions (CCI's) by IHBAS on 22nd -23rd August, 2014 at Delhi.

Participated as Resource Faculty in The NCPCR Workshop on Continuing Professional Development (CPD) OF Counsellors of Child Care Institutions (CCI's) by IHBAS on 8th-9th August, 2014 at Delhi.

Participated as Resource Faculty in The NCPCR Workshop on Continuing Professional Development (CPD) OF Counsellors of Child Care Institutions (CCI's) by IHBAS on 25th -26th July, 2014 at Delhi.

Presentations in National Conference (67th Annual National Conference of the Indian Psychiatric Society (ANCIPS 2015)

Symposium: *Managing attention deficit hyperactivity disorder in preschool age* D Moyal, B Garg, S Kumar Gupta, U Kumar Sinha, D Kumar Abstract published in Indian Journal of Psychiatry 2015; 57, S179

Poster: Antipsychotic induced obsessive compulsive symptoms in schizophrenia- case series B Garg, S.K. Kumar Gupta Abstract published in Indian Journal of Psychiatry 57, S135; 2015.

Free Paper: A Sidana, B Garg, D Moyal, GS Kumar Abstract published in Indian Journal of Psychiatry 2015.

A comparison between the characteristics of persons certified with disability due to Mental Retardation and that of census of persons with Mental Retardation in NCT of Delhi, India D Moyal, S Kumar Gupta, B Garg, A Sidana, 2015. Abstract published in Indian Journal of Psychiatry 57, S31.

Dr. Suman Kushwaha : CME on Vitamin D at GB Pant Hospital, New Delhi on 22 Nov, 2014.

Presented a lecture on 'Biomarkers in Alzheimer's Disease' in University College of Medical Sciences on 20 June, 2014.

Paper presented on 4th Asian & Oceanian Parkinson's Disease and Movement Disorders Congress organized from 28 to 30th November, 2014:

Dr. Deepak Jha attended CME on Neurointervention (12.04.2014): RMLIPGIMS, Neuro-oncology Update (19.05.2014)- BLK Superspecialty Hospital, ANTC 2014 (2nd AIIMS Neurotrauma Conference 2014)- 31.10.2014 to 2.11.2014- AIIMS, Super Medicon 2014- 2.11.2014- Kempinski Hotel, East Delhi, 2nd Instructional Course in Neurosurgery (ICINS), 'Endoscopic Cranial and Spine Surgery'- 7-8th November 2014: GB Pant Hospital, AOISBS 2015 (Skull Base workshop and conference)- 8-11 January 2015: Palladium Hotel, Mumbai, DNACON 2015- 17th Annual Conference of Delhi Neurological Association and 13th Neuro Nurses Forum- 31.1.2015 to 1.2.2015- India Habitat Centre, 17th Annual Microneurosurgery Workshop- 13th to 15th February 2015- AIIMS, SKULL BASE CON 2014- 9th to 12th October- JIPMER hospital, Puduchery.

Chair person of Neurosurgery Session: Low back pain- Management (Super Medicon 2014- 2.11.2014- Kempinski Hotel, East Delhi.)

Paper presented on Cranial and Spinal Endoscopy: How to do it with minimum equipments (DNACON 2015).

Pant I, Chaturvedi S, Kushwaha S, Jha DK. Central nervous system lesions presenting with rapidly progressive cognitive decline: a report of two unusual cases. 3rd Annual Conference of the Neurological Surgeons' Society of India (NSSI), AIIMS, Rishikesh, Feb 28th to March 2nd, 2014.

A Gupta attended Workshop on In-Situ Hybridization at ICMR, New Delhi from 2nd to 4th April 2014.

Dr. Sangeeta Sharma Member Organizing Committee and faculty for a National Training Programme for Nurses on "Medication Safety and Rational Use of Medicines organized by DSPRUD from June 27-28, 2014 at New Delhi.

Member Organizing Committee and faculty for a National Training Programme on "Promoting Rational Use of Medicines: Enhancing Access and Safe Use of Medicines: Role of Drugs and Therapeutic Committees" organized by DSPRUD and IHBAS from April 1-3, 2014 at New Delhi.

Resource person for International Rational Use of Medicines Course - Focus HIV, TB & Malaria organized by IIHMR Jaipur from January 5-16, 2015 at Jaipur.

Dr. Rajeev Thakur : Participated in NACO's National Meet on Strengthening HIV Laboratories in India-A Journey of Three Decades, from 4-5 December, 2014 at New Delhi.

Participated in 15th International congress of the International federation of Infection control (IFIC) and XIII National Conference of Hospital Infection Society of India (HISI), from 22-24 March, 2015 held at New Delhi.

Dr. Renu Gupta: Participated in Annual National conference of Indian Association of Medical Microbiologists (MICRCON 2014), from 17-19 October 2014, at Jaipur.

Participated in 15th International congress of the International federation of Infection control (IFIC) and XIII National Conference of Hospital Infection Society of India (HISI), from 22-24 March, 2015 held at New Delhi.

Public Lectures

Invited as to deliver a lecture on the topics: *Descriptive Statistics, Correlation and Regression Analysis, Research Designs & Sample Size Calculation in various Studies* in National Biostatistics Symposium, held during March 18-21, 2015, organized by Department of Neurology, Institute of Medical Sciences, BHU, Varanasi.

Invited to deliver a lecture on *Hypothesis Verification: Parametric & Non-parametric Methods* in Training Program on Recent Advances in Survey Design and Analysis of Survey Data using Statistical Software, held on November 05, 2014, organized by The Centre of Advance Faculty Training in Agricultural Statistics and Computer Application at the Indian Agricultural Statistics Research Institute, New Delhi.

Invited as a Member, Board of Studies (BOS), Department of Mathematics and Statistics, Sharda University, Greater NOIDA, India, to attend the BOS meeting for screening the syllabus of M.Sc. (Statistics), held on June 15, 2014.

Invited as Resource Faculty to deliver a lecture on *How to calculate sample size and collect data* in Workshop on Research Methodology for Clinicians, held on June 08, 2014, organized by Anesthesia and Critical Care Foundation at India Habitat Centre, New Delhi.

Faculty Strength: Permanent /Temporary/Adhoc: 39

Financial allocation and utilization

Grant sanction in Rs : Rupees 8000 Lakhs
Utilised in Rs : Rupees 7001 Lakhs

Extension and Outreach work

IHBAS as apex neuropsychiatry institute has, since its inception in 1993, strived to expand the patient care services beyond the hospital based care to community. Various kind of community based initiative being under taken by IHBAS:

Community Outreach Services under District Mental Health Programme:

Community Outreach Initiatives for Homeless Population

Community Awareness Activities

Liaison with User and Carer Groups

Efforts at Communitization for in-patient at IHBAS

Mobile Mental Health Unit(MMHU)

Journals subscribed

Number of international journals subscribed : Print—94,online—17 Karger packages of e-resources ,Online journals made available to the users under NMLERMED,WHO Resources

Number of national journals subscribed : Print—50, Online journals made available to the users under NMLERMED

JANKI DEVI MEMORIAL COLLEGE

Activities and Achievements

The Women Entrepreneurship Support Training (WEST) programme sponsored by the Netherlands Government and Ecorys India, the knowledge partner was successfully completed for a batch of Janki Devi Memorial College students. The programme proved beneficial to our students and was widely recognized and appreciated by e-commerce industry nationally and internationally. The Swachhhta Abhiyaan was launched on 2nd October 2014 and is a continued effort. The College was selected in 2014-15 by the British High Commission to host the prestigious international event “THE GREAT DEBATE” which was held on 23rd September, 2014 More than 50 colleges from Delhi and NCR participated in this debate competition.

The College observed the Good Governance Day by organizing a seminar on use of Technology and Innovation in promoting Good Governance on 23rd December, 2014. The College participated in Antradhvani by putting up a Good Practices stall. Another stall was put up at Innovation Plaza for the innovation project entitled “Creative Solutions to Water Logging through Rain Water Harvesting” which was selected under prestigious innovation project category. First Alumni Meet was organized by the College. This brought together students from the time of the inception of the college, to current students under one roof. JDMC in collaboration with Delhi Traffic Police organized a Naari Shakti March and Cycle Rally for awareness about traffic rules. For the first time the NCC of JDMC

celebrated NCC fest “Gaurav”. The special attraction was weapon display and section attack. A paper on Environmental Studies (EVS) was introduced as qualifying paper for all under graduate students of the College. Commerce Department of the college organized its Annual Inter College Festival “COMMTALK 2015” on “Make in India: A Roadway to “Make India”. ECOPHORIA, Annual Inter-College Festival of the Economics department, was organized. Prof. Bharat Ramaswami from Indian Statistical Institute delivered the Inaugural Lecture on 'Economic Growth and the Incomes of the Poor'. The English department organized Inter-college LITERARY FEST. The Department of History organized a one day International Workshop titled “What Do We Eat? Workshop on Food and Identity in India”, in collaboration with University of Tokyo. The workshop received enthusiastic participation by the scholars from Japan and India.

Honours /Distinctions

Dr. Mukesh Sagar Teacher-in-charge, Physical Education Department has been awarded with the National Physical Education Award as life time achievement by Confederation of Indian Universities (CIU) World Agency for Value Education (WAVE), Indian Institute of Ecology and Environment.

Poems by Dr. Rajni Bala Anuragi of Hindi Department have been included in the syllabus of reputed universities and include *Aurat, Adhar, Khabardaar, Talab, Jab bhi Yogyatta ki baat hui, Azadi*

Ms Vrinda Kapoor of Commerce Department was selected as one of the four Digital Literacy Champions to travel to Edinburgh College, Scotland (UK) for further training and staff development under DLITE course organized by University of Delhi in association with Edinburgh college Scotland.

Mr. Ronojoy Sircar of English Department was awarded the prestigious 'Teaching Excellence Award', by the University of Delhi.

Research Projects

The College undertook an Innovation project “Creative Solutions for Water Logging through Rainwater Harvesting (RWH) in South Delhi. Dr. Usha Krishna, Associate Professor in Commerce of JDMC was the Principal Investigator of the Project.

Library Development

The college Library is the hub of the academic activities of the college. It is a trinity of the library staff, reading material and readers. It is a well equipped and well stocked library with about one lakh books and subscribes to about 72 national and international journals catering to need of the different courses being offered by the college, and air-conditioned Reading Hall and Stack Room. Ours is a fully computerized Library using Libsys Software (an integrated Library management system), where all the housekeeping job are performed through the Libsys. The database of books and journal available is updated on day-to-day basis and several terminals are provided for students and teachers to search for documents available online. Internet access is also provided to the users. We are sensitive to the needs of our visually challenged users. To provide them equal access, the library has installed one screen reading software (SAFA) and audio recorders/CD players and plectalks Angel pocket recorders are issued to visually challenged users and we arrange Braille books and talking books. Computer training is also provided to our visually challenged students/teachers. It is the

training centre for C.L.S. (Certificate in Library Science) students of J.D.V.C. The J.D.M.C. Library also has a Women's Studies Resource Centre.

Publications

Dr. (Mrs) Indu Anand, Principal published an outstanding book titled "*Akbar: The Aesthete*". It was released by Sh. M. Hamid Ansari, Honorable Vice President of India.

Dr. Sudha Upadhaya of Hindi Department published a book titled "*Aupanyasik Charitro me varchasva ki rajneeti*"

Dr. Amita Charan of commerce department published a book titled *Marketing: An India Perspective and Marketing Management*"

Ms Shweta of Sanskrit department published a book "*Samkhyadarshananjali*"

Conferences Organized/attended

Mrs Vandana Madan of Sociology Department conducted a workshop for Sociology teachers of all Bengaluru Schools on "Re-thinking Pedagogy" at the Mallya Aditi International School, Bengaluru.

Faculty Strength: Permanent/ Temporary/ Ad-hoc: 142

Financial Allocation and Utilization

Grant Sanction in Rs. 30,97,59,000.00

Utilized in Rs. 24,65,46,000.00

Placement Details

Number of Students getting successful placements: 125

Number of Companies/Industries coming for campus recruitment: 10

Number of repeat recruiters: 07

Journals subscribed

Number of international journals subscribed (*online + paperback version*)

Number of International Journal Subscribed – 9 (Print only)

Number of National journals subscribed (*online +paperback version*)

Number of National Journal/magazines Subscribed – 63 (Print only)

JESUS AND MARY COLLEGE

Honours/Distinctions

NAAC Accreditation of the College: Grade A in May, 2015

Project of B. El. Ed Department selected for collaboration with University of Michigan, USA

A new add-on course ' Hindi Patrakarita Aur Jansanchar ' has been approved by University Grants Commission (UGC) as a Certificate, Diploma and Advanced Diploma Course. It is a self-financing course and UGC has provided a one-time grant of Rs. 7 lakhs.

Dr. Ameeta Motwani, Department of Commerce was awarded Fulbright –Nehru Fellowship for a period of 4 months in 2014 by San Jose State University.

Apurvi Chandela won the World Championship for Women's Rifle Shooting and has obtained direct entry into Rio Olympics.

Research Projects

Project on 'Changing Women Identity in Contemporary Hindi Novels' by Dr. Amita Tiwari, Hindi Department, funded by UGC (Rs.3.65 lakhs), 2012-14

Project titled 'Disability: Voices of Hope and Despair' by Dr. Anita Ghai, Psychology Department was awarded a research grant of Rs. 1,65,000 by the Indian Association for Women's Studies in 2015

Grant awarded to Mr. Renny Thomas, Department of Sociology by the University of Antwerp, Belgium, to present a paper and participate at the UCSIA Summer Seminar on 'Religion and Culture in a Globalizing World: Questioning Our Research Frames' on 3rd -5th Sept, 2014

Dr. Sanjay Singh, Department of Psychology, submitted the research proposal titled 'Fast and Frugal Decision Heuristics Behind Perception, Evaluation and Acceptance of Anti-Doping Rules and Organizations Among Sports Persons', to World Anti-Doping Agency (WADA)

An In-house Interdisciplinary Faculty Seminar titled 'Works in Progress' was organized by Research Committee on 18th Nov, 2014

Students with Distinctions

Fatma Matin Khan of English Department was selected for King's College London Summer School from 28th July, 2014 to 15th August, 2014 for a Module/Course titled 'Journalism: Production, News Writing and Reporting'

Shalkie Yadav, Department of Mathematics is pursuing postgraduate studies in France on French Scholarship.

Apurvi Chandela won Gold Medal in Commonwealth Games at Glasgow, 2014

Parul Goel of English Department was selected by NIIT for the post of Associate Content Designer, through the College Placement Drive in October 2014.

Urvashi Bhardwaj and Maxine Mathew of English Department were selected for the Gyanodyaya V Trip to the North-East (18th -29th Dec, 2014).

Library Development

JMC Library is fully automated and uses "TROODON SOFTWARE PACKAGE" which is an integrated multi-user library management system. Total seating capacity of the library is increased from 180 to 210 users.

The Library acquired 484 books during 2014-2015 and also subscribed 79 National Journals including popular magazines and 16 Foreign Journals. A collection of 10 Newspapers are available in the library. The total collection of the Library has been augmented to 51365 books. It subscribed to access for the e-resources (6000+ e-journals and 97000+ e-books) through N-LIST:

Our Institution is an esteemed member of British Council Library. 10 cards have been issued by the British Council Library for books and journals. These cards can be accessed by students and teachers (i.e. books can be issued against these cards).

The College library provides special facilities to the visually/physically challenged persons.

Publications

Dr. Alka Marwaha, Department of Mathematics, published a book 'An Introduction to Linear Algebra', PHI Learning, Delhi (2014), ISBN: 978-81-203-4953-0

Ms. Guntasha Kaur, Department of English published a research paper titled 'An Analysis of Vernacular Modernities through Sikh Journals (1893-1920): A Case Study through Punjab' in the international peer-reviewed journal, CIJHAR (April-June 2014), ISSN: 2277-4157.

Ms. Rashmi Sehgal Thukral, Department of Mathematics published two papers titled 'Decomposability of Nonnegative r -Potent Matrices' and 'Decomposability of Nonnegative r -Potent Operators in $L^2(X)$ ' in International Journal of Pure and Applied Mathematics, ISSN: 1311-8080.

Ms. Harriet Raghunathan, Department of English edited 'John Milton: Paradise Lost Book I' with Introduction, Annotations and Selected Critical Essays, Delhi: Worldview, 2014, ISBN 13: 978-93-82267-07-2.

Ms. Jennifer Monteiro, Department of English published two papers titled 'A Study of Masculinities in Judith Butler's Gender Trouble' and 'Satire, Nationalism and the Post-Nehruvian State in Raag Darbari' in the International Journal of Multifaceted and Multilingual Studies', ISBN: 2350-0476, Volumes 1.1(2014):1-6 and 1.2(2014): 1-8, respectively.

Dr. Sushila Ramaswamy, Department of Political Science co-authored a book 'A History of Socialism', New Delhi Publications Division, 2014, ISBN: 978-81-230-1863-8.

Dr. Vibha Mathur, Department of Commerce published the book titled, 'International Business', Pinnacle Learning, New Delhi, 2014, ISBN: 9789383848003.

Dr. Mani A. Nandhi, Department of Commerce published the book 'Urban Poor and Their Money: A Study of Cycle Rickshaw Pullers in Delhi', Pinnacle Learning, 2014, ISBN: 9789383848041.

Dr. Reena Marwah, Department of Commerce co-edited the book 'Transforming South Asia: Imperatives for Action', Knowledge World, New Delhi, 2014, ISBN: 978-93-81904-98-5

Ms. Charu Sharma, Department of B. El. Ed, published the book titled 'Parenting Experiences, Well being and Conflicts' by Lambert Academic Publishing, Germany, 2014, ISBN: 978-3-659-54772-0.

Conferences Organized/Attended

Mr. Renny Thomas, Department of Sociology, presented a paper 'Being Religious Being Scientific: Science, Religion and Atheism in Contemporary India', in the UCSIA International Summer Seminar

on Religion and Culture in a Globalising World: Questioning Our Research Frames, 3-5th Sept 2014, University of Antwerp, Belgium.

Dr. Anita Ghai, Department of Psychology, presented a paper on 'Have We Moved?: Issues of Education – An Indian Scenario' in Modern Transformations and the Challenges of Inequalities in Education in India, Nov 27th -29th, 2014 at an International Conference organized by Department of History, Delhi University in collaboration with Ramjas College, Delhi University and NMRC, Jawaharlal Nehru University and with co-operation from Department of Social Work, Delhi University.

Mr. Renny Thomas, Department of Sociology presented the paper titled 'Beyond Conflict and Complementarity: On Science and Religion in Contemporary India' at the Sixth Student Symposium on Science and Spirituality, University of Chicago, Chicago, USA, 27th February, 2015.

Dr. Sunita Kaistha, Department of Commerce presented a paper on 'Trade Unions and OSH Issues' at Occupational, Safety, Health and Environment Institute (OSHEI), ILO, Bangkok, Thailand

Dr. Mani A. Nandhi, Department of Commerce presented a paper 'Financial Inclusion of Urban Poor Migrants: Mirage or Myth – A Reality Check' at the 17th Conference of the International Association for the Economics of Participation, Instituto de Economia, Facultad de Ciencias Economicas y de Administracion, Universidad de la Republica, Montevideo, Uruguay from 16th -18th July, 2014

Faculty Strength: Permanent – 88 ; Adhoc – 25

Financial Allocation and Utilization

Grant Sanctioned: Rs 30,27,15,000/-

Utilized: Rs. 20,86,79,500/- (This figure is as per the budget for the year 2015-15)

Placement details

Number of students getting successful placements: 198

Number of Companies/Industries coming for campus recruitment: 90

Number of repeat recruiters: 20

Domestic/International (MoU's) signed with partners:

With Indian/Foreign Universities: (i) University of Warwick, UK; (ii) University of Michigan, USA

With Indian/Foreign Companies/Industry:(i) 2 MoU's with FLG (Focus Learning Group), New Delhi; (ii)1 MoU with RK Films and Media Academy; (iii)1 MoU with Youth Alliance, Delhi

Extension and Outreach work:

Number of camps organized in the surrounding areas: NCC organized 10 camps/workshops

Number of students who worked in the camps : 70

Total number of hours dedicated to these camps: 75-80

NSS also undertakes social extension and outreach work , mostly within the college like (i) Cleanliness Drive (ii) Collection for Calamity Relief (iii) Blood Donation Camps etc. There are around 900 students enrolled in NSS. Each student is required to put in 120 hours.

Journals subscribed

Number of International journals subscribed: 16 (Online 12 + Paperback 16)

Number of National journals subscribed: 79 (Online 15 + Paperback 79)

KALINDI COLLEGE**Honours/Distinctions**

Under “Jammu and Kashmir Relief Campaign” an awareness rally was organized by the college on 12.9.14. Around 2000 staff members and students of the college in the rally collected donations of Rs. 2, 38,769/- for Jammu & Kashmir Relief Fund. Relief material of 5.31 tones was also collected and sent to Jammu & Kashmir on behalf of Kalindi College.

Dr. Anula Maurya has been awarded for her substantial contribution to the Self-Defense Programme by Hon'ble Home Minister Sh. Rajnath Singh and Delhi Police Commissioner Sh. B.S. Bassi.

Dr. Rachna Kumar has won the “Award for College Lecturer: 2014-2015”.

Dr. Savita Roy of our college has been selected as Principal of Daulat Ram College.

Research Projects

Kalindi College has been awarded two Innovation Research Projects:

Project KC-201 has been awarded to Dr. Savita Roy, Dr. Punita Verma and Dr. Naina Hasija. The objective of this project is “To Check the feasibility of installing turbines to generate electrical energy”.

The innovation Project KC-202 on “Evaluating the Socio-Economic changes and its Political consequences in the Kashmir Valley” has been awarded to Dr. Anju Gupta, Dr. Sangeeta Dhal and Dr. Diptashri Bhaumik.

Innovative Project (KC 202) concerning “Railway as a Game Changer in Jammu & Kashmir” has been awarded as the Best Display in the category of Economic Development while Innovative Project (KC 201) “To evaluate the feasibility of installing wind turbines in metros” has received Industry recommendations in Antardhvani 2015.

Library Development

Total Budget (2014-2015): Rs. 18 Lakhs 66 Thousand

No of Book and journals added : Books added =1526, Journals added =14

Internet facilities upgraded: Internet facility is provided to students by Cyber Centre situated in the college.

Total Collection of Library: 76802 Books

Total Magazines/journals subscribed: 83

Newspapers subscribed: 13

The library has a separate reading room for consultation purposes and photocopy facility is provided to the students and staff.

Publications

Dr. Sunita has published two Books entitled “Indian political thought II” and “Citizenship and governance”.

Ms. Rajni has published “Corporate Social Responsibility- A Case Study of Proctor & Gamble (P &G) in Indian Stream of Research Journal. ISSN:22307859

Ms. Alka Rani has published a paper titled “Several Sins of Business Management- A study in Indian Context” in International Research Journal of Commerce, Arts and Science. ISSN:23199202

Ms. Ruchi Vohra has published a paper titled “Evolution and Challenges of Csr in India” (Case Study: Tata Steel Company) in International Journal of Research in IT & Management. ISSN:22314334

Ms. Gunjan Verma has published a Paper titled “Role of Women Entrepreneurship in India” In International Journal of Research in IT And Management (IJRIM). ISSN: 2231-4334

Ms. Komal Singhal has published a paper titled “Impact of Global Financial Crisis on India's Merchandise Exports” in International Journal of Research & Development in Technology and Management Science. ISSN:9781631024450

Ms. Neha Gupta has published a paper titled “Housing price bubble in Hong Kong: A multi-indicator analysis” in International journal of commerce and business management. ISSN:09742646

Ms. Deepika Ahuja has published a paper titled “WTO Bali Package: Implications for India and the developing world” in International journal for advances in engineering and management (IJAEM). ISSN:23493858

Dr. Avnesh Kumar Gupta has published a paper titled “Inclusive Growth Policy: An Analysis of Performance of Indian Government during Eleventh Five Year Plan”, published by ‘International Journal of Business, Management & Social Sciences’ ISSN: 2249-7463, Vol. III, Issue 5 (I), January 2014. The journal published by Choice College of Arts and Commerce, Pune, India. Page No. 13-22.

Mr. Rajesh Kumar Abhay has published a Book on Resources and Regional Development in India, Jaipur: Rawat Publications, 2014, ISBN: 978-81-316-0641-4, 400pp. (Co-editor)

Conferences Organized/Attended

Dr. Sunita Mangla, Associate Professor, Political Science, organized a 2-day National Seminar on “Inclusive Governance And Human Right; Dealing With The Dynamics” sponsored by Indian Council of Social Science Research (ICSSR) on 21-22 April 2014

Faculty Strength: Permanent: 68; Ad-hoc - 86

Financial Allocation and Utilization

Grant sanction in Rs.: Rs. 21, 23,77,000/-

Utilized in Rs.: Rs. 22,69,73,863/-

Placement details

Number of students getting successful placements: 47 shortlisted
Number of Companies/Industries coming for campus recruitment: 06
Number of repeat recruiters: 02

Extension and Outreach work

Number of Camps organized in the surrounding areas: 11 by NCC Team of the college
Number of people enrolled/covered in the camps: 106
Number of students who worked in the camps: 105 NCC Cadets
Total number of hours dedicated to these camps: 1452 Hours

Journals subscribed

Number of international journals subscribed (online+ paperback version): 01 (print)
Number of national journals subscribed (online+ paperback version) : 20 (print)
Along with these Online journals are also available through DULS network

Other Significant Information

College has published its “48th Annual Report”, “14th volume of Academic Journal” and College Magazine “Pravah” in this academic session. Dr. Sunita has undertaken and completed 3 major projects namely - Women empowerment, Utthan and Pahal (A Forum for holistic development for SC/ST students). Dr. Anju Gupta of Mathematics Department is appointed as the Director of Non Collegiate Women Education Board., University of Delhi. Ms. Tanya Singh has been awarded with M.Phil. Degree and Dr. Shekh Moinuddin has been awarded with Ph.D. degree. Chinganbam Anupama and Dr. Rajesh Kumar Abhey have submitted their Ph.D. thesis. In this Academic session we have run eighteen societies of various departments of the college and twenty nine Programmes/Committees to enrich the academic and extracurricular standards of our students.

KAMALA NEHRU COLLEGE**Honours/ Distinctions**

The establishment of the French Language Laboratory, inaugurated by Prof. Umesh Rai, Director, South Campus, on the 14th of March. Entirely college-initiated and sponsored, this laboratory is one of its kind in the University. It shall subsequently be opened to all the language based Departments in KNC.

As part of the inaugural event of the Golden Jubilee Celebrations of KNC from Jan 2014-Jan 2015, on the 15th of January 2014 there was an unveiling of a sculpture by the renowned sculptor K.S. Radhakrishnan called ‘Maiyya – The Graduate.’ It depicts a female figure holding a tablet in one hand, thus symbolizing the progressive movement of women, especially in the arena of education. We also unveiled a bill-board cataloguing our feathered friends who visit our green campus. This twin unveiling actually echoes concerns at the heart of Kamala Nehru College: women empowerment and environmental conservation.

Research Projects

Dr. Kalpana Bhakuni with other members of the faculty guided a project entitled, “Reinventing the Brand Positioning of Indian Tourism in the Global Market”. This was adjudged one of the best innovative ideas at Antardhvani, the cultural festival of the University of Delhi.

Library Development

The college library is fully automated which is connected with one server and ten clients of Local Area Network. Two computers are equipped with Internet facility so that the teachers and students may have access to electronic archives like Jstor and Project Muse. The library added more than 2660 titles during the year 2014-2015 and the total collection of books has reached now 92736 and 354 CDs and 445 DVDs. In addition 80 Journals /Periodicals and 11 daily newspapers (English /Hindi) are being subscribed to for the benefit of students and staff. The library has a systematically arranged stack hall at the ground floor. On the first floor the Reference Section and the Periodical Section are facilitated with a large reading room. Hindi novels, old bound periodicals, collection of eminent writer Dr. Anita Desai Sanskrit and Punjabi literature etc. are located on the second floor. The library has a capacity of 300 seats for readers. The first floor has a separate research section for teachers (fully air conditioned) with computer facilities. The library has separate section for Audio-Visual collection. The College library also organizes Book Club activities for developing guided reading habits among students with Ms. Sanam Khanna and Ms. Susan Thomas from the Department of English.

Publications

Ms. Jyoti Raghavan’s research paper titled ,’Branding Unity: Impact of Advertisements on Patriotism, Unity and Communal Harmony’ was published in the January 2015 issue of the International peer reviewed research journal in communication and media, ‘Media Watch’.

Minakshi Sethy published an article, "Medieval Vaisnavism in Orissa: A Study on Sri Chaitanya Caritamrta and Chaitanya Bhagavata" in the *Odisha Review* in its January 2015 issue.

Conferences Organized

An interdisciplinary national seminar on the topic “Urban Spaces: Representations, Practices, Experiences in the Indian Subcontinent” on the 5th and 6th of February 2015 organized at the India International Centre by the Department of English.

On the 10th of March, the Department of Psychology organized a one-day seminar on “Fundamentalism: Identities Unveiled” in which eminent speakers like Dr. Sudhir Kakar, Prof. T.K. Oommen, Prof. Gurpreet Mahajan, Chair Person Prof. Ashok Nagpal, Ambedkar University participated.

The Department of Sociology organized a one-day national conference on “Mapping Contours of Culture/s: Overlaps and Contradictions” on the 9th of March 2015.

The Department of History dedicated the 18th and 19th of February to a discussion on the theme of the history of musicology. As part of this, a panel discussion on the theme “New forms of Histories” with three well-known historians – Professor Harbans Mukhia, Professor BP Sahu and Professor Amar Farooqui was organized. The academic event came to a befitting end with a mesmerizing performance from the famous Sufi singer and poet Dr. Madan Gopal Singh and his ensemble *Char Yaar*.

Faculty Strength: Permanent - 92; Ad-hoc - 68

Financial Allocation and Utilization

Grant Sanction: Rs. 22,84,73,000/-

Utilized: Rs 20,75,51,000/- (approx)

Placement Details

Number of students getting successful placements: 50% of the final semester students of the Department of Commerce got successfully placed with prestigious companies.

Number of companies/ industries coming for campus recruitment: 8

Number of repeat recruiters: 5

Domestic/international MoUs signed with Partners

With Indian/ Foreign Universities: An MoU has been signed with SIES (Society for the International Education for Students) under which students from foreign universities come to Kamala Nehru College and do a semester of their choice-based course. Students from our college also go to international universities under the same Exchange Programme.

Extension and Outreach work

Number of camps organized in the surrounding areas: One, entitled, "Nanhe Pankh"

Number of people enrolled/covered in the camp: 15 children

Number of students who worked in the camp: 15 students

Total number of hours dedicated to the camp: 20 hours

Students under Exchange Programme

Number of Undergraduate inbound exchange students: 9

Number of Undergraduate outbound exchange students: 1

Journals Subscribed

Number of international journals subscribed : 6

Number of national journals subscribed : 69

KESHAV MAHAVIDYALAYA

Honours/Distinctions

One student was selected for meritorious award by Directorate of Higher Education and 3 students were selected for Meritorious Award for the year 2014-2015 by Faculty of Science, University of Delhi.

33 students have been awarded scholarships and fellowships by various government organizations/boards such as Department of Science and Technology, CBSE, Board of School Education Haryana, CSSS and UP Board.

5 B.Tech. Comp. Sc. students, Ayush Jain, Saumya Bansal, Vaishali Gera, Tarun and Deepika were selected for Vice Chancellor's Internship Program and have successfully completed projects such as

“Development of University of Delhi’s Community Radio (DUCR), creating an e-module for enhancing connectivity with the Vice Chancellor and designing of DU Website.”

Soumya of II semester, BBS has won the 1st prize in Solo Dance Competition at IIT, Roorkee and was awarded CCRT Scholarship by Ministry of Culture, Government of India.

Research Projects

Three “Innovation Projects” have been sanctioned to teachers of the college by University of Delhi. On each project, teachers are working with their own teams of 10 students from different departments.

Dr. Mukesh, Dr. Dhanpal, Dr. Madhu Pruthi, and Mr. Ravi are working on “To Develop an Early Warning System for Quality Deterioration of Ground Water and its Purification”.

Dr. Vipin Negi, Dr. Pradeep Kumar, and Dr. Sonu are working on “Factors that determine the shopping behavior of customers of Big shopping retail outlets and small neighborhood Kirana shops - A statistical survey of customer behavior of shopping in Delhi and NCR”.

Dr. Harpreet Bhatia, Dr. Daisy Sharma, Ms.Amanjot Sachdeva, and Dr. Madhu Pruthi are working on “Optimism, ADL and Psychological Well-Being as Correlates of Coping: Enhancing Coping in the Elderly”.

Library Development

The library has various sections consisting of around 22,963 books. Large number of dailies, weeklies & periodicals of various subjects are being subscribed on a regular basis. 35 Magazines and 19 Newspapers are subscribed by the library for the readers. An e-resource learning centre, the library at Keshav Mahavidyalaya has more than 700 CDs and DVDs which are issued to various departments of the college. Besides, it also provides facility of accessing about 30,000 e-journals and research articles provided by Delhi University Library System (DULS) through Internet to staff members and students. The college library is fully automated.

Publications

Dr. Anju Arora from Department of Commerce: Anju Arora & Muneesh Kumar, (2014), “Evaluating credit risk management framework of public sector banks and private sector banks in India: A comparative study” IUP journal of Bank Management, August 2014. Vol. XIII No.3. pp 57-66, ICFAI University Press, Hyderabad, India. ISSN No. 0972-6918.

Arora. A. (2014), “Impact of branch network on credit risk management practices in Indian banking sector.” The IUP Journal of Financial Risk Management, Vol. XI, No. 4, 2014, ICFAI, University Press, Hyderabad, India. ISSN 0972-916X

Dr. Pradeep Kumar from Department of Commerce:Pradeep Kumar, (2015), “Rural v/s urban marketing in India: an empirical study based on socioeconomic indicators”,The International Journal of Business and Management, Vol, 3, Issue 3 (ISSN 2321-8916).

Pradeep Kumar, (2014), “The Indian women entrepreneurs: issues and challenges”, in International journal of research science and management (ISSN 2349-5197).

Pradeep Kumar (2015), “Leadership styles in insurance sector: a critical appraisal of life insurance corporation of india”, in Asian journal of management research, Vol 4. Issue 3. (ISSN 2229-3795)

Padmasai A., (2014), “Reforms, ownership and determinants of efficiency: An empirical study of commercial banks in India” Journal of Emerging Market Finance, 13(1), pp. 103-138 © Institute for Financial Management and Research, SAGE Publications, Los Angeles, London, New Delhi, Singapore, Washington DC, DOI: 10.1177/0974910114534026, <http://emf.sagepub.com>

Dr. Priti Sehgal from Department of Computer Science:Nidhi Goel, Priti Sehgal, (2014), “Image retrieval using fuzzy color histogram and fuzzy string matching – A correlation based scheme to

reduce the semantic gap” published in Intelligent Computing, Networking, and Informatics, pp. 327-341. Springer, India, Vol. 243, ISBN 978-81-322-1665-0.

Dr. Rajni Mehndiretta from Department of Mathematics:R. Mendiratta ,S.Nagpal and V. Ravichandran, (2014) “On a subclass of strongly starlike functions associated with exponential function”, Bulletin of Malaysian Mathematical Sciences Society, appeared online, ISSN: 0126-6705(SCIE/IF:0.798), paginated issue, 38(1) 2015, 365-386.

R. Mendiratta ,S.Nagpal and V. Ravichandran, (2014), “A subclass of Starlike functions associated with left half of the lemniscate of Bernoulli”, International Journal of Mathematics, 25 (9), 1450090 (17 pages)(SCI).

Dr. Divya Haridas from Department of Physics:Sandeep Mahajan, Divya Haridas, S. T. Ali, O.P.Thakur, C. Prakash, (2014), “Investigation of conduction and relaxation phenomena in $BaZr_xTi_{1-x}O_3$ ($x=0.05$) by impedance spectroscopy”, Physica B: Condensed Matter 451, 114–119.

Divya Haridas and V Gupta, (2015), “Enhanced response of SnO_2 based thin film sensors towards methane gas due to the collective efforts of catalytic activity and photo-activation phenomenon”, IOP Conf. Ser.: Mater. Sci. Eng. 73 (012025) doi:10.1088/1757-899X/73/1/012025

Dr. Jasmeet Singh from Department of Physics:Jasmeet Singh and K L Baluja., (2014), “Electron-impact study of the O_2 molecule using the R-matrix method in Physical Review A (PRA)”, American Physical Society (APS) Vol 90, Pg: 022714.

Dr. Harpreet Bhatia from Department of Psychology:Aastha Aghi & Harpreet Bhatia, (2014), “Parenting styles: Impact on sibling relationship and rivalry,” Journal of Positive Psychology, 3(2), 139-154.

Dr. Daisy Sharma from Department of Psychology:Mishra, S., Bhaisora, M. and Sharma, D. (2015). “The Duality of Adolescence: Identity Commitment and Identity Exploration”, Career development: different voices different choices, the readers’ paradise educational pub. ISBN-978-93-82110-24-8.

Conferences Attended

Punam Bedi, Vinita Jindal, (2014), “Use of Big Data Technology in Vehicular Ad-hoc Networks”, International Conference on Advances in Computing, Communications and Informatics (ICACCI - 2014), pp. 1677 – 1683, IEEE, DOI: 10.1109/ICACCI.2014.6968352, Print ISBN: 978-1-4799-3078-4, Online ISBN: 978-1-4799-3079-1, INSPEC Accession Number: 14779230.

Dr. Jasmeet Singh attended and presented the research work in 46th International Conference of the European Group on Atomic Systems, held at University of Lille, France from 01-4 July, 2014.

Dr. Dimpy Mahanta presented the following papers at the 1st International & 3rd National Conference on Positive Psychology: The Ripple Effect organized by Indian Association of Positive Psychology & Manav Rachna International University (27th Feb-1st March, 2015) at Manav Rachna International University, Faridabad, Haryana.

Dr. Daisy Sharma presented the following papers at the 1st International & 3rd National Conference on Positive Psychology: The Ripple Effect organized by Indian Association of Positive Psychology & Manav Rachna International University (27th Feb-1st March, 2015) at Manav Rachna International University, Faridabad, Haryana.

Sharma, D., (2015), “Role of triangular love theory in understanding marital relationship satisfaction and psychological well-being”

Sharma, D. and Kaur, R., (2015), “Do love styles affect relationship satisfaction?”

Faculty Strength: Permanent - 48; Adhoc - 44

Financial Allocation and Utilization

Grant sanction in Rs: 12,52,59,000 (Non-Plan)
60,00,000 (Plan, other than salary)
Utilized in Rs : 12,25,03,499

Placement Details

Number of students getting successful placements: 20
Number of companies coming for campus recruitment: 9
Number of repeat recruiters: 1

Extension and Outreach Work

Number of Drives organized in surrounding areas: 4
Number of people covered in Drives: 200
Number of students who worked in the Drives: 175
Total number of hours dedicated to these Drives: 40

Journals subscribed

Number of International Journals subscribed (online + paper back): All e-journals provided by DULS
Number of National Journals subscribed (online + paper back): All e-journals provided by DULS

KIRORI MAL COLLEGE**Honours/Distinctions**

Dr. Mohammed Baber Ali from Department of Geography, as Principal Investigator successfully completed the Innovation Project KMC-205 entitled "Workers in Fast Food Outlets: A Glimpse of their Life".

The basketball team of the college performed exceptionally well by bagging first position in as many as ten tournaments throughout the year.

Abir Sinha secured first position in the Hawai Blitz tournament held in USA.

Vimoh Rana was part of the under 23 state cricket team of Rajasthan whereas Rohit Chaudhary represented under 19 Saurashtra cricket team.

The event 'Youth-o-litics' conducted in September was listed as one of the best events of the year in the University's calendar, according to DU Beat ranking. Mr. Rajat Sharma and Mr. Yogendra Yadav were the two eminent speakers of the event.

Research Projects

Assessment of humoral immune response against Ebola virus glycoprotein peptide using Balb/c mice as model. Dr. Anita Kamra Verma, (10 lakhs) Funded by DRDO.

Pharmacological evaluations of Sea-buck thorn leaf extract for potential adjuvant activity. DIPAS, DRDO (10 Lakhs), 2013-2015

Biopolymeric Nanoparticulate delivery for Rheumatoid Arthritis. Dr. Anita Kamra Verma, Funded by UGC (12 Lakhs) 2012-2015

Developing Immunotherapeutic approaches for treatment of Type I diabetes along with replenishing insulin producing stem cells in Balb-c and NOD mice. Dr. Rajni Rani & Dr. Anita Kamra Verma, (85 lakhs DBT), 2012-2015

Library Development

Total Budget	:	Rs. 23,69,500/-
Number of books added	:	3397
Total Books	:	141655+5900 = 147555

Publications

Saumyajit Bhattacharya (Department of Economics): "Is Labour still a relevant category for Praxis? Critical Reflections on Some Contemporary Discourses on Work and Labour in Capitalism", *Development and Change* 45(5):941-962, International Institute of Social Studies, The Hague.

Pratibha Madan (Department of Economics): "Foreign Direct Investment: A study across Indian states", *Arthashastra: Indian Journal of Economics and Research* 3(4), 2014.

ChongthamJiten*, K. Chandramani Singh, RadhapiyariLaishram: Effect of High-Energy Ball Milling on the Electrical and Piezoelectric Properties of $(K_{0.5}Na_{0.5})(Nb_{0.9}Ta_{0.1})O_3$ Lead-Free Piezoceramics. **International Journal of Civil, Architectural, Structural and Construction Engineering*, ISSN: 1307-6892, Vol: 9 No: 1, 11-14, 2015.*

Quantum Gravity Effect on Neutrino Oscillation *Bipin Singh Koranga (Delhi, Kirori Mal Coll.)*, Mohan Narayan (Inst. Chem. Tech., Mumbai). 2014. 7 pp. Published in *Int.J.Theor.Phys.* 53 (2014) 2753-2759 DOI: 10.1007/s10773-014-2071-3

A paper "Restudy of surface tension of QGP with one-loop correction in the mean-field potential" got published in *International Journal of Modern Phys. A*, vol. 29 (2014) 1450007.

A paper "Velocity of Sound in a Quark-Gluon Plasma with One Loop Correction in Mean Field Potential" got published in *DAE Symp. On Nucl. Phys.* 59(2014).

A paper "Modified Surface tension of QGP-Droplet under One Loop Correction in Peshier Potential" got published in *Proc India Natu Sci Acad (INSA)* 81 No. 1 Special Issue 174-178 (2015).

Lubna Sheikh, Richa Vohra, Anita Kamra Verma, Suprabha Nayar (2015) Biomimetically Synthesized Aqueous Ferrofluids Having Antibacterial and Anticancer Properties; *Materials Sciences and Applications* 03/2015; 6 (3):242-250.

Shweta Agarwal, Ankita Leekha, Aakriti Tyagi, Vijay Kumar, Imran Moin, Anita K Verma (2015) Versatility of Chitosan: A Short Review; *J. Pharm. Res.* 2015, 4 (3), 125-134.

S. Zafar, L.M. Negi, Anita K. Verma, V. Kumar, A. Tyagi, P. Singh, Z. Iqbal, S. Talegaonkar (2014): Stearically Stabilized polymeric nanoparticles with a combinatorial approach for multi drug resistant cancer: In vitro and in vivo investigations; *International Journal of Pharmaceutics*, 477: 454-468/. [IF 3.99]

Yahya, Dr. Md: Seemanchal ka ek Roshan Dimagh Vice Chancellor Professor Md. Ishtiaque, Volume-II, Issue-II, May 2014-94, *Urdu Scholars Ki Duniya-International Refereed Journal for Urdu* ISSN 2320-5369, EISSN 2320-8910, Impact Factor: Global Impact Factor: 0.383.

Tarane Hindi eik Motalaa by Dr. Md. Mohsin, Volume-III, Issue-I, February 2015-132, *Urdu Scholars Ki Duniya-International Refereed Journal for Urdu* ISSN 2320-5369, EISSN 2320-8910.

Conferences Organized/Attended

Foreign Students' Association of College in association with the 'KMC Tibetians Forum' organized an International Conference with Sikyong Dr. Lobsang Sangay, as a tribute to His Holiness The Dalai Lama (14th).

The Department of Mathematics organized the International Workshop on Wavelets, Frames and Applications-II in December 2014. A total of 110 mathematicians attended the workshop out of which 11 resource persons were from USA, Russia, Thailand and HongKong. The inaugural talk was given by Prof. Dinesh Singh, Vice- Chancellor, University of Delhi.

The department of History organized a National Seminar on the theme 'Identities In History: Power and Contestation in Ancient, Medieval and Modern India' in February 2015.

Leaderpreneur Summit was organized by The Round Table society of the college. Dr. Suvrokal Datta, a renowned Foreign Affairs and Economic Expert, Mr. Ashutosh, spokesperson of Aam Aadmi Party and Mr. Nishant Chaturvedi, Deputy Editor, AAJ TAK were the speakers for the summit.

Workshop Organized by Department of Zoology on the topic Biochemistry of Metabolic in February 2015 with the Co-ordinator, Dr. Anita Kamra Verma. Faculties from 30 Colleges participated in the workshop.

Dr. Khalid Ashraf – Paper read in delhi urdu academy on "urdu men khakey" held on 15 march 2015 [b] seminar paper on "krishan chander ka fun " in seminar held by maharashtra state urdu sahitya academy mumbai on 27 november 2014--[c] seminar paper read on "iqbal majeed ka fiction " held by sajid rasheed foundation ,mumbai on 30th November 2014

Dr. Md. Yahya – Organized One-day National Seminar as a Convener on “Shaire Mashriq Allama Iqbal” organized by the 'Bazm e Adab' Department of Urdu, Kirori Mal College, University of Delhi, Delhi – 110 007 held on April 8, 2015.

Faculty Strength: Permanent – 154; Ad hoc – 56

Placement details

Number of students getting successful placements – 106

Number of Companies/Industries coming for campus recruitment – 45

Extension and Outreach Work

Number of camps orgnaized in the surrounding areas.	:	7 NCC Camps (CATC, TSC, RDC, NIC, ATC, PM Rally)
Number of people enrolled/covered in the camps. (NIC)	:	31 Cadets (6+19+6, NIC, CATC, NIC)
Number of students who worked in the camps.	:	31 Cadets
Total number of hours dedicated to these camps.	:	42 Days (16 NIC+10 CATC+16 NIC days) total hours=1008

International conference organized by FOSTAS, KM College

Journals subscribed

Number of international journals subscribed (online+paper back version)

Number of National journal subscribed (online+paper back version)& DU Internet & Networking, membership of INFLIB NET N-list.

LADY IRWIN COLLEGE

Honours/Distinctions

The College received Nina Sibal Award in August 2014 for its extension, research and teaching in the area of disability and preparing teacher cadre in this area.

Lady Irwin College received 'The Best College Award' at the 'International Education and Leadership Summit' in 2015.

Research Projects

UGC Major Project "Prevalence and risk factors of metabolic syndrome among young BPO employees in NCR : Development of a lifestyle management program focussing on modifiable risk factors of metabolic syndrome".

Project Coordinator, 'Community Radio and Hill Women's Participation in Health Communication' Grant received by International Federation of Home Economics – US . Project duration 2012-15.

Project Co-coordinator, Evaluation of the ASHA programme (NRHM, Delhi State) conducted by Lady Irwin College & National Health Systems Research Centre (NHSRC) 2013-14.

ICSSR Research project: 'Self and Identity of the young child: Emerging trends in contemporary Indian families'. 2012 – 2014.

"Adolescence and young adulthood in adoptive families", a 15 year longitudinal follow-up of doctoral research.

Conflict Resolution: Dealing with Violence and aggression in school going children . Major Project. Sponsored by UGC.

Disability and Inclusion: Perceptions & Issues in Contemporary India: A Short Term Course . Sponsored by UGC and University of Delhi under the Connect to India project.

'Capacity Building of Youth regarding Energy Management for Sustainable Development', funded by Ministry of Science and Technology, Govt. of India. (2013-15) .

Subjective well-being of elderly living in Old Age Homes (Min. of Social Justice and Empowerment, National Institute of Social Defence), 2012-14

"Sensory Evaluation of Processed Foods", part of a project under Department of Consumer Affairs, Government of India, in association with Voice Society, March - November 2014.

Several Innovative Projects of DU and Gyanodaya Projects have been done.

Library Development

The mission of Lady Irwin College Library is to provide: State-of-art library and information services conducive for academic enrichment as well as social and personal development of students, faculty and staff of the college; Providing resources printed and electronic for the courses offered by the college; Providing strong database for academics and research in the field of Home Science and allied areas; Online cyber linkage with worldwide national and international networks, universities and research institutions.

The library is housed in a separate building constructed in 1958, which has one and a half storey structure. In 2009–10 the library building was renovated with latest ICT requirements, keeping the ambience of its heritage structure and making it energy efficient. Today, the Lady Irwin College Library is fully automated with all its subsystems and equipped with: 120 seating capacity Air Conditioned Conference Hall ; Fiber Optic 24x7 connectivity ;Wi fi enabled building ; Internet work station with 40 computers ; One Intranet server with 15 clients attached to it.

Services provided

OPAC facilities (Online Public Access Catalogue);

Availability of OPAC on internet also through DELNET;

Reference Services; Bibliographical Services;

Fiber Optic connectivity for internet surfing;

Wi Fi enabled library building;

Online search facilities of E-journals and Databases subscribed by DU, UGC- Infonet, Infilbnetvizebsco; Scopus; J-Store; Springer; Elsevier; Blackwell; Taylor & Francis And Others.

DELNET (Developing Library Network) connectivity &services; PINAKES- Subject Launch Pad; WHO, WORLD BANK, PLOS; PUBMED etc.;

Search through CD-ROM Digital Databases : ISID, Plan and Statistical Database;

Reprographic facilities (on contractual basis).

Publications

Bakshi A, Singh K. Markers defining predialysis chronic kidney disease nutritional status: International Journal of Health Sciences and Research, Sep 2014. Vol. 4; Issue: 9. Impact factor: 3.5, ISSN:2249:9571

Gupta P, Singh K, Seth V, Aggarwal S, Mathur P. Association of child food insecurity and malnutrition among young children aged 6-36 months. The Indian Journal of Nutrition and Dietetics 2014; 51: 293-305

Bahl D, Singh K, Sabharwal M, Arora M. Anthropometric Indices for the prediction of Metabolic Syndrome and its features among Children and Adolescents. Indian Journal of Science and Technology. 2014 Aug; 7(8) : 1066-77. Index Copernicus: 5.02

Jain A and Mathur P. Intake of processed foods and selected food additives among teenagers (13-19 year olds) of Delhi, India. Asian Journal of Multidisciplinary Studies 2014;2(2):64-77.

Oberoi A K and Lal P R. "Body Hydration Status and Psycho-physiological Profile of College Level Basketball Players (18-22years)." International Journal of Multidisciplinary Educational Research, April 2014, Issue: 4, Vol: 3, Impact Factor 2.735 and ICV 5.16 Points. (Index Copernicus Value).

Wagoner, B. Chaudhary, N. & Hviid, P. Cultural Psychology on the move: Editors' introduction. In B. Wagoner, N. Chaudhary & P. Hviid (Eds), Cultural psychology and its future: Complementarity in a new key, Vol. II. Charlotte, NC: Information Age, 2014.

Chaudhary, N. Living with the belief in cyclical time. Collective and personal construction of Hindus. In, L.M. Simão, D. S. Guimarães and J. Valsiner (Eds.), *Temporality: Culture in the flow of human experience*. Advances in Cultural Psychology, Book Series Ed. J. Valsiner. Charlotte, NC: Information Age, 2014.

Gaur, R.& Capila,A.(2014) Portrayal of Women Related Issues in Popular television serials- A viewers's response. *Journal of Multidisciplinary Research*. ISSN 2348-2702. June 2014 Vol 1 Issue III.

Kapur, V, Kumar, A., Seth M. & Vij, S. (2014) Community radio-Connecting people & empowering communities: Mapping the impact of community radio using The Most Significant Change Technique. In *Lady Irwin College Technical Series No.5, New technologies and methodologies for sustainable development*. New Delhi: Global Book Organization. ISBN: 978-93-80570-64-8

Khanna, A., Sharma R. 'Puppetry- a Media for Edutainment and Enhancing Life Skills of Youth' in a book *Development Prospects of Life Skills* edited by Manocha A. and Sarot N. published by Women Studies and Development Cell, Government College for Girls, Panchkula, Haryana (2014) ISBN: 978-93-82068-24-2 p 83-88

Upadhyay, R. Comparative analysis of indoor air quality in Nabha and Zirakpur (Punjab- India) 2014. *Global Journal of Medicine and Public Health*. 3(3): 1-7.

Goel S. Generating energy consciousness among rural households, *International journal of Environmental Research and Development*, ISSN 2249-3131, Volume 4, No.1, spl. 2014, Page 71 - 74, Research India Publication, E-ISSN 2319-5983, impact factor 0.604 NISCAIR.

Mittal, M. & Haokip, S. "Implementation of Mahatma Gandhi National Rural Employment Guarantee Scheme in Churachandpur District, Manipur: A Beneficiary Perspective" published in *OIDA International Journal of Sustainable Development*. ISSN: 1923:6654 (print) and ISSN: 1923:6662 (online).

Mehta, C. & Gupta, P. (2014). Corporate entrepreneurship: A study on entrepreneurial personality of employees. *Global Journal of Finance and Management*, 6(4): 305-312.

Gupta, V., Goel, S. and Rupa, T. G. Portrayal of Environment Studies in Delhi Schools via Media in *Research Journal of Arts, Management and Social Science*, Published in English edition, Volume X-1, Year – 05, ISSN: 0975-4083, Impact factor – 0.564 IIFS. March 2014.

Saxena, S. Bhagat, S., Exploring prospects of capacity building of an NGO – experiments on Eri Silk in "New Technologies and Methodologies for Sustainable Development", Technical series 5, Lady Irwin College, New Delhi: Global Books Organization, ISBN: 978-93-80570- 64-8. 2014.

Sekhri, S (2014). *Textbook of Fabric Science: Fundamentals to Finishing*, Second reprint, Prentice Hall of India, New Delhi, India.

Gupta, S. & Rastogi, D. Colour and Fastness Properties of Natural Dyed Wool for Carpets: Effect of Chemical Wash, *International Journal of Textile Science* 2014, 3(1A): 6-14 DOI: 10.5923/s.textile.201401.02.

Malaviya,R. & Das,P. (2014). Disaster Preparedness and Prevention: Awareness of School Going Children . *International Journal of Psychosocial Research (IJPSR)*. Vol. 3. No.1.

Choudhary, G. (2014). *Adolescence Education*. Delhi, PHI Learning Private Limited.

Conferences Organized/Attended

Thomas, S. "Promotion of Pre- Pregnancy Nutritional care Among newly married Women(1yr) Residing in Urban Slums of Delhi" Poster presentation in The 46th Annual national Conference of Nutrition Society of India 2014.

Chaudhary, N. Making meaning of the life-course: Guided generalizations from ordinary life of families. [India and Denmark, in collaboration with P. Hviid and J. Villadsen] Psychology Department, University of Copenhagen, Denmark. 30th October, 2014.

Kumar, A. & Seth, M. 'Stories of change for assessing programme impact: Most Significant Change (MSC) technique as a tool for monitoring and evaluation of development programmes' Paper Presented at preconference on 'Sustainable Social Change' of the International Association of Media & Communication Research (IAMCR) Hyderabad July 2014.

Kaur, G., Gupta, P. & Matt, S. (2014, March). Education for Sustainable Development: Assessing Knowledge and Skills of Urban Adolescents towards Efficient Energy Management. Paper presented at National conference on Sustainable Development in India: Challenges and Remedies, Tehri, Uttarakhand.

Kalra M. B.; Baveja B. Preparing Teachers through Reflective Teacher Education Programmes. Sixth International Conference on Social Science and Education, 6th-7th, October 2014. Cornell University. New York, 2014.

Guglani S., Kalra M. Presented paper entitled "Home Science and Its Integration in the School Curriculum: Strategies for Popularization: The Lady Irwin College Experience," at International Education Conference at Maui, Hawaii, USA.

Faculty Strength: Permanent – 61; Temporary - 50

Financial Allocation and Utilization

Grant sanction in Rs.	:	2370.70 Lakh
Utilized in Rs	:	2416.46 Lakh

Placement Details

Number of Students getting successful placements - Masters + B.Ed -120

Number of companies/Industries coming for campus recruitment - 28

Number of repeat recruiters – 40+

Number and name of Domestic/International (MoUs) signed with partners

- a) With Indian/Foreign Universities -
- b) With Indian/Foreign Companies/Industry -

1. International partners collaborating to improve student learning from assessment and Feedback: An evidence-informed approach. (Lady Irwin College, University of Winchester and Saurashtra University). Agency - British Council Internationalizing Higher Education.
2. A Cross cultural study in collaboration study agency - collaboration with University of Muenster, Germany.
3. MSU, RMDA and SPA
4. DCE and MSU

Extension and Outreach work

Number of Camps - 6 in College; 38 outside College : 44

Total number of hours dedicated to these camps organized in the surrounding areas - 352 Hours

Number of people enrolled/covered in the camps - 100/camp; Mostly children adolescent and women

Number of students who worked in the camps - 1300 students UG, PG per year

Almost all the students in College participate in camps in College and several adopted villages. Collaboration through NGO enable community outreach. Some of the NGO's we collaborate with are Breakthrough, New Concept, Women Power Connect, Naaz Foundation, Prayas, Urvi Vikram Charitable Trust, Programme on Women Economic Social and Cultural Rights gathered together, Lupin International, National Crafts Museum, Mobile Creches, Palna Muskaan, Rural Health Training Centre and Primary Health Centre, Midday Meal and Stree shakti Food Preparation unit.

Student numbers under exchange programme

Graduate/Postgraduate inbound/outbound Exchange students Inbound 2 Muenster; 1 US full bright (Senior)

Journals subscribed

Number of international journals subscribed (online+ paperback version)

Number of National journals subscribed (online+ paperback version)

Total - 101

LADY SHRI RAM COLLEGE FOR WOMEN

Activities and Achievements

“Seizing India’s Moment”: Public Lecture delivered by Madame Christine Lagarde, Managing Director, International Monetary Fund on the 16th of March, 2015. The event which was moderated by Dr. Prannoy Roy, Executive Co-Chairperson, NDTV saw students from various colleges of the University participating enthusiastically.

Academic Congress 2015, Breaking Barriers, Claiming Spaces - Women, Leadership and Change : The ASSK Centre along with the Ford Foundation and WISCOMP and American Embassy organized three days of introspection, reflection, creation and celebration on March 7th, 9th and 10th, 2015.

ECONVISTA 2015: Organized by the Department of Economics, Lady Shri Ram College for Women, New Delhi on February 13-14, 2015, ECONVISTA was the first International Students’ Symposium.

First TEDx Event: Lady Shri Ram College’s first-ever TEDx event organized by the Department of Psychology on 10 September 2014 bringing together six speakers from different walks of life to share their ideas.

Dr. Manohar Shyam Joshi Chair Lecture: Prof. John Mark Webb, Professor at the Swinburne University of Technology, Australia was invited to deliver the lecture on “Science and the Media in the Age of Globalisation” on the 18th of September 2014. It was organized by the Journalism Department. The Second Lecture in the series was delivered by Shri Ashok Vajpeyi on the 25th of September, who gave an enthralling lecture titled “*Sahitya Kyon?*”

Dr. S. M. Luthra Memorial Lecture: Shri T. M. Krishna, eminent Karnatik Music Vocalist, was invited by the College on 19th of September, 2014 to deliver a lecture on “A Moving Line: the Personal and Public in an Artist”.

World Quiz 2015: Organized by the Political Science Association in collaboration with the Youth Forum for Foreign Policy and Quizcraft Global, this 2 day quizzing event was held on the 22nd and 23rd of January. There were over 30 participants from across India who took part in the event. Col. Rajyavardhan Singh Rathore (Minister of Information and Broadcasting) delivered a lecture on “India’s Cultural Influence”.

Dialogue on Partition Literature between the students of Lady Shri Ram College (LSR) and Lahore University of Management Sciences (LUMS): A two day dialogue organized by the ASSK Centre along with the Department of English.

Psychology at theEdges: National Seminar organized by the Department of Psychology on January 23-24, 2015, funded by the ICSSR. The seminar was attended by over 250 students from Delhi University and various other institutions.

Good Governance Day: Observed in the College both through a Faculty Seminar and a *Bhashan Shailee Pratiyogita* for the non-teaching staff. Many interesting points came up during the discussion.

The Perennial Philosophy: A short certificate course titled conducted in LSR by the Oxford Centre of Hindu Studies. More than 40 students enrolled for this course and were enriched by the experience.

NEXUS 2015: First National Conference organized by the National Service Scheme on the theme ‘The Dynamics of Inclusive Development In Contemporary India’, held on the 4th of April 2015. The conference witnessed participation from NSS chapters of colleges across the country that came together for stimulating debate and discussion on the aforementioned theme.

The Cartoon Times of India: Two day Seminar organized by the Department of Sociology on 27th and 28th of February 2015 which included a lecture by Mr. Ravish Kumar, writer and journalist who currently moderates the prime time debates of *NDTV India*.

LITMUS 2015: The English Department Annual Academic Meet took the form of a National Seminar this year, featuring speakers with diverse interests from across the country. The theme was ‘Narratives of Contemporaneity in India’.

The Historical in Literary Narratives: Two-day History Department Annual Academic Meet held on the 31st of October and the 1st of November 2014. The seminar saw a diverse range of papers intersecting terrains of gender, nationalism and subjectivity while engaging with larger concerns of areas of convergence between historiography and literature.

Anupama Dua Paper Presentation and Scholarship Function: Organized by the Mathematics Department on 12th February 2015. Diverse papers were presented, ranging from the “Application of Mathematics in the Global Positioning System (GPS)” to “Game Theory in *The Hunger Games*” and “Russel’s Paradox”.

SEHAR: Two-day Annual Academic Meet organized by the Department of Elementary Education on the theme ‘Envisioning Inclusive Classrooms: Perspectives and Challenges’.

Being-with-in-the-World: Everydayness and Worldhood: One day Symposium organized by the Philosophy Department on 27th March 2015. The Symposium enabled students to interact with

eminent academicians and introduced them to the processes of critical analyses involved in the pursuit of this discipline.

Technology for Mathematics Teaching and Learning: A one day workshop conducted by Dr. Jonaki B. Ghosh of the Department of Elementary Education where 50 students from various colleges of Delhi University participated.

Honours / Distinctions

Honorary Doctorate Degree by La Trobe University- Dr. Meenakshi Gopinath.

Dr. Radhakrishnan Memorial National media Award, Rituraj Parampara Samman and Laadli Media and Advertising Award for Gender Sensitivity -Dr. Vartika Nanda.

Penal Photographer Fellowship- Ms. Subi Chatuvedi.

Ederle Swimming Award- Ms. Meenakshi Pahuja.

Darabshaw Achievement Award for Education and Social Services- Ms. Rukshana Shroff.

Fulbright Scholar-in-Residence Fellowship to teach at Thomas College, Maine, USA- Ms. Deepika Papneja

Fulbright Nehru Doctoral and Professional Fellowship for conducting research at University of Washington, Seattle, USA-. Ms. Smriti Sharma

Conrad Adenauer Fellowship to visit the Otto-Suhr Institute of Political Sciences, Berlin- Mr. Siddharth Tripathi.

Raman Post Doctoral Fellowship to teach and do Post Doctoral Research at Ohio Wesleyan University, USA- Dr. Arvind Kumar.

Research projects

Awarded to the College –

Under the University of Delhi Innovation Project Scheme, Project Codes LSR 201, 202 and 203 awarded to different departments of the College.

Grant given by KPMG to ENACTUS, LSR for projects for social entrepreneurship.

Grant given by ICSSR to the Psychology Department to conduct its National Seminar.

Grant given by Ford Foundation for Academic Congress 2015.

Awarded to individual teachers-

Grant awarded to Dr. Smita Sahgal of the Department of History from ICHR.

Our students have won awards at the national and international level and brought laurels to the College.

Mayanka Dave Mukherji, a third year student of the Sociology Department was awarded the prestigious Rhodes Scholarship.

Niharika Gupta, a first year B. Com Honours student won StockMIND, a national contest organized by ICICI Securities Ltd., Mumbai.

Priyanka Bains and Vrinda Lohia represented the College at the South Asia Economics Students Meet (SAESM) 2015 - Bhutan Chapter.

Vrinda Batra, Deeksha Bhardwaj and Shreya Bhattacharya were chosen to represent the College at the INSIGHT DUBAI organized by the Dubai Women's College.

Twelve students of the Journalism department accompanied by their faculty member Dr. Shikha Jhingan were chosen to participate in GENESYS 2.0, a new Youth Exchange Program initiated in 2013 by the Prime Minister, Mr. Shinzo Abe, between Japan and ASEAN Member States, from 1st to 9th December, 2014.

The LSR-ENACTUS Team was chosen as one of the nine teams to take part in the HSBC Bank Case Study Competition held at SRCC. The national winners will represent ENACTUS India at Hong Kong.

Swastika Jajoo, a first year English Honours student, was invited to New York on November 9, 2014 to receive the KidSpirit 2014 Award for her poetry. Her poem won 'The Most Illuminating Poem' award.

Tanushri Roy, a second year student of Sociology Honours was awarded the prestigious LEADearthSHIP Fellowship under the aegis of the TERI (The Energy and Resources Initiative and TetraPack). She was one of the 22 delegates selected to participate in the Delhi Sustainable Development Summit, an international summit organized from 4-7 February, 2015 at New Delhi.

Devi Santosh, a first year student of the Sociology Department and Swastika Jajoo, a first year student of the English Department, received the BalShree Award for Creative Writing from HRD Minister Ms.Smriti Irani on January 29, 2015.

Meghna Khurania, a third year student of the Sociology Department and Project Head of the newly initiated NGO, Connecting Dreams Foundation, facilitated the installation of the 'Apna Tech Tree' kiosk in the adopted village, Shoulana and at LSR. This is a first-of-its-kind set up. She also organized the 'Ideation to Action' and the 'Atmanirbhar-B Plan' conventions at LSR.

Bhawana Garg, a first year Hindi Honours student received the 'Ladki Samman', awarded by the Ladki Foundation Trust for her outstanding performance in academics and for her work for women's empowerment.

Library development

Total budget	:	Rs. 23,00,000
Books and journals added	:	1123

Publications

Books

Sharma, Suman. 2014. (Principal) South Asian Regionalism: Past Trends and Present Predicament, Shree Kala Prakashan, Delhi, India (ISBN 81-86038-78-7)

Gopinath, Meenakshi (Co-Director). (Former Principal) 2012-2015 - Project titled “Education for Peace in Kashmir-Hum Kadam” for the British High Commission.

Gopinath, Meenakshi. 2014. Co Author – Bridging the Divide: Peacebuilding for a new Generation - WISCOMP, New Delhi, 2014.

Cama, S. 2014. “Parsi Embroidery: An Intercultural Amalgam”, Global Textile Encounters: Ancient Textile Series Volume 20, edited by Marie Louise Nosch, Zhao Feng & Lotika Varadarajan: Oxbow Books, University of Copenhagen. This publication is currently being translated into Chinese to reach a larger audience.

Nanda, Vartika. 2014 - Khabar Yahan Bhi, Samyik Prakashan.

Ojha, A. “Women's Political Representation in 16th Lok Sabha: Continuity, Contestation or Change?” (Co- authored with L.David Lal & N.S. Sabhawal), Women' s Link, Vol. 20, No. 3, July - September 2014, ISSN: 22296409

Priti Prakash Prajapati. (2014). Dwandwa ki Sarjanatmakta aur Nirala ka kavya. New Delhi: Vani Prakashan.

Sahgal, S. 2014. Alternatives Marginalised: 'Fluctuations in Brahmanical Paradigms on the Niyoga', in D.N.Jha ed. The Complex Heritage Of Early India, Essays in Memory Of R.S.Sharma, New Delhi, Manohar Publishers and Distributers, 2014, pp.475-512, ISBN No. 978-93-5098-058-3.

Sharma, S. 2014. “Media Literacy Education: Bringing Digital Culture to the Classrooms” in Education as a Right Across the Levels: Challenges, Opportunities and Strategies published by Viva Books 2014; ISBN – 9788130927466 (co-author)

Singh, Neelam. 2014. Automotive Industry Response to its Global QMS Standard ISO/TS-16949', in K. Das (2014) (ed.), Globalization and Standards: Issues and Challenges in Indian Business, Springer (India), New Delhi, Heidelberg, New York, Dordrecht, London. [ISSN 2198-0012; ISSN 2198-0020 (electronic)].

Conferences organized

Title	Date	Coordinator
Psychology at the Edges	23-24 January, 2015	National Seminar organized by the Department of Psychology
“Academic Congress” Breaking Barriers: Claiming Spaces	7 th , 9 th & 10 th March, 2015	Three Day Academic Congress organized by College Faculty – Dr. Krishna Menon, Dr. Ujjayini Ray & Ms. Dipti R. Nath
World Quiz 2015	22-23 January, 2015	Political Science Department
Seizing India’s Moment: Public Lecture by Ms. Christine Lagarde, IMF	16 March, 2015	ASSK Centre for Peace and Department of Economics
ECONVISTA : 1 st International Students’ Symposium	13th-14th February, 2015	Faculty Members & Students of the Department of Economics

International conferences held abroad

Dr. Suman Sharma, Principal of the College, presented a paper on “South-South Cooperation in Renewable Energy-A case study of South Asia”: World International Studies Committee and Goethe University, Frankfurt, Germany www.fbo 3.com, 2014. She also presented a paper on “Climate change Mitigation through Renewable Energy” in a Conference on Asian Governance paradoxes of Development at NAPSIPAG and Policy Research Centre Bangladesh. Dec, 2014.

Dr. Meenakshi Gopinath, Former Principal of the College, participated in “Rising Women Rising World” Launch at the British Parliament, November 2014, London, United Kingdom. She did a presentation on “Promoting Bilateral Student Exchange and Academic Collaboration”, at the 23rd Indo-German Consultative Group, September 2014, Essen, Germany. She also presented on “The South Asia Women's Peace Charter”, at the UNESCO-South Asia Women's Network, 6th Annual Conference, September 2014, Thimpu, Bhutan and made a presentation on “Bridging Theory and Practice Symposium on Women, Peace and Security”, Georgetown University, June 2014, Washington DC. She made a presentation on “Women in Peace-making and Conflict Resolution Processes in South Asia”, at the South Asia Women's Network, May 2014, Kathmandu, Nepal.

Ms. Smriti Sharma of the Department of Elementary Education presented “Action Research as a Pedagogic Tool in Initial Teacher Preparation” at the International Conference on Social Sciences at University of British Columbia, Vancouver from June 11-13 2014. She also presented a paper on “The Essentials: What Should We Be Teaching?” at the International Conference organized by Northwest Association of Teacher Educators June 5-6, 2014 at Washington State University, Pullman, Washington. She co-presented a poster “Teacher Identities in Initial Teacher Preparation: Views of Teacher Candidates” at the 10th Annual Teaching and Learning Symposium on April 15, 2014 organized by Centre for Teaching and Learning, University of Washington and did a brown bag presentation on May 22, 2014 on “Addressing Teacher Socialization and Identity in Initial Teacher Preparation” at the College of Education, University of Washington, Seattle.

Dr. Jonaki Ghosh delivered two lectures at the Beijing Normal University, Beijing, where she was invited for short term collaborative research work between 10th and 21st June 2014. The titles of the lectures were “Mathematics Education in India” and “Opportunities for using Technology in mathematics classrooms: A case study from India.”

Ms. Deepika Papneja was the Convocation Speaker at Snow College, Utah, USA from March 11-13, 2014. Delivered a series of lectures on 'Women, Leadership and Empowerment' and 'India: A Cultural Mosaic'. She was also the Keynote Speaker for a Conference titled 'Solidarity: Creating a Sense of Community' held on January 30, 2014 at Thomas College, Maine, USA. Also, was a panelist at the same conference for the session titled 'Weaving a Tapestry of Community'?

Ms. Dipti Nath of the Department of English completed a three week course on Children 's Literature “Wonderland - 100 Years of Children 's Literature” at King's College, London, UK from July 28th to 15th August, 2014.

Dr. Smita Sahgal of the Department of History presented a paper titled, 'Niyoga [Levirate]; Conflict Resolution to Bruised Masculinity in Early India, at 2nd International Conference on History and Culture, Kuala Lumpur, Malaysia, 17th-18th 2015.

Dr. Shikha Jhingan of the Department of Journalism presented “Sensuous Encounters: Music and Affect in Bombay's Recording Studios,” in Moving On: South Asian Screen Cultures in a Broader Frame, an International Conference organized by the Faculty of Media, Arts and Design at the University of Westminster, London, in June 2014.

Mr. Vibhushan Subba presented a paper entitled “What Lies Beneath? Kanti Shah and The Unseen” presented at Moving On: South Asian Screen Cultures In a Broader Frame organized by the Faculty of Media, Arts and Design at the University of Westminster, London, June 12-14, 2014.

Ms. Jyoti Darbari of the Department of Mathematics presented “Multi-Criteria Decision Approach for a Sustainable Reverse Logistics Network under Fuzzy Environment” presented in the Fifth International Conference on Industrial Engineering & Operations Management (IEOM), Dubai, United Arab Emirates, March 3-5, 2015.

Dr. Krishna Menon of the Department of Political Science presented “Free Speech and Censorship in India” at an International Conference on 'Free Speech, Public Deliberation and Global Affairs', at the Arctic University, Norway in June 2014 and “The Temple, The Stage and The Bar”, presented at an International Seminar organized by the Association of Asian Studies, Chicago, USA, March, 2015.

Dr. Sunalini Kumar’s paper titled “Congress and Urban Development in Delhi”: presented at Urban South Asia: 1850 to the Present Conference Organized at Oxford University, October 2, 2014. Awarded Oxford University Prize for Best Paper.

Mr. Siddharth Tripathi presented a paper on 'Does the EU learn? A Comparison of Police Missions in Bosnia-Herzegovina and Afghanistan', WISC International Conference, Goethe Universitat, Frankfurt, 6-9th September 2014 and as Konrad Adenauer Fellow, was invited to visit the Otto-Suhr Institute of Political Sciences at Freie Universität Berlin from April 15 – July 15, 2014. During the visit, was affiliated to the Centre for Transnational Relations, Foreign and Security Policy of Freie Universität Berlin.

Ms. Rityusha Tiwary’s “A Comparative Study of Discourses on Power and Leadership in India and China: How Different Are the 'Nonaligned' and 'Harmonious' Worlds?” in the 20th Biennial Conference of the Asian Studies Association of Australia 'Asia Scapes: Contesting Borders' 8-10 July 2014 held at the University of Western Australia, Perth and “Economic and Security Power in East Asia” Western Conference Association for Asian Studies Conference 2014, 4-6 October, University of Arizona, USA.

Dr. Kanika Ahuja of the Department of Psychology presented “The Imprisoned Dove: Schools as Propagators or Inhibitors of Peace in India” Paper presented by the first author at the 28th International Congress of Applied Psychology, 8-13 July 2014, Paris.

Faculty Strength: Permanent- 61; Temporary- 10;Ad-hoc- 20

Financial Allocation and Utilization

Grant sanction in Rs. 31 crores
Utilized in Rs. 25 crores

Placements details

Number of students getting successful placements: 158
Number of companies coming for campus recruitment: 80
Number of repeat recruiters: 60

Number and names of Domestic/ International MoUs signed with partners:

With indian/ foreign universities: 11

Names: Brown University, USA, La Trobe University, Australia, NUS, Singapore, Middlebury College, USA, Fukuoka Women's University, Japan, King's College, London, Trinity College Dublin, SciencesPo, Paris, American Graduate School, Paris, UCD Michael Smurfit Graduate Business School, Ireland

With Indian/ Foreign Companies: 1 (KPMG)

Extension and Outreach work:

Number of camps organized in the surrounding areas	: 20
Number of people enrolled in the camps	: 25 in each camp
Number of students who worked in the camps	: 400
Total number of hours dedicated to these camps	: 3 hours per student per week

Student numbers under exchange programme

Undergraduate outbound exchange students	:	35
Undergraduate inbound exchange students	:	10

Journals subscribed:

International journals	:	50
National journals	:	100

LAKSHMIBAI COLLEGE

Activities and Achievements

Shri Harshvardhan, Union Health Minister was invited as the Chief Guest of the Golden Jubilee Celebrations on 28th August, 2014. Gandhi Study Circle, together with NSS and Sanrakshan Society for Environmental Awareness took the initiative to participate in 'Clean India' Drive under 'Swachhh Bharat Abhiyan' on 2nd October 2014. To mark the birth anniversary of Sardar Vallabhai Patel, 'Rashtriya Ekta Diwas' was observed and a function was jointly organized by Gandhi Study Circle, NSS and Student's Union of the college on 31st October 2014. Lakshmibai College volunteers participated in the exhibition on Vikas Purush, Shri Atal Bihari Vajpayee held between 19 December-25 December 2014 by the Directorate General, Doordarshan and the Director of Advertising and Visual Publicity, Ministry of Information and Broadcasting at India Gandhi National Centre for Arts, New Delhi. The Directorate of Advertising and Visual Publicity thanked the faculty and students for their immense contribution and awarded them certificates of participation. College organized a Panel Discussion and an Oratory Competition (Bhaashan Shailee) on 'Use of Technology and Innovations in promoting Good Governance on 26th December, 2014. Our College also paid glowing tributes to one of our country's greatest freedom fighter and leader Netaji Subhas Chandra Bose on his 118th birth anniversary. Department of Music

also organized a Kathak dance recital of Padmashree Ms. Shovana Narayan under the auspices of 'Spic Macay', on 28th Jan, 2015. Martyrs' Day was observed in the college and a function was held on the 30th January 2015 to mark the day. Thyrocare, the world's largest Preventive Care Laboratory organized a free body checkup that included 80 tests of various kinds in the college premises on 4th Feb 2015.

The college organized a Self-Defence programme in coordination with Delhi police officials on 19th Feb, 2015. Shri Bhimsen Bassi, Commissioner of Police, Delhi graced this occasion as the chief guest of the ceremony. A mobile-phone based application named 'Himmat' launched by Union Home Minister Shri. Rajnath Singh was released by Mr Iqbal Mohammad in Lakshmibai College on 9th January 2015. It is an initiative by Delhi police for ensuring safety of women. The Academic Improvement Committee organized a symposium on "A Career In Media: Different Dimensions and Perspectives. To mark the International Women's Day the Students' Union organized a function- "Celebrating the Spirit of Womanhood." Alumni Association made a visit to an NGO 'SANGAM' associated with the "Beti Bachao, Beti Pado" movement, at Najafgarh, Delhi. The Association extended its support to the noble cause of "Help Save the Girl Child" campaign. Our Enabling Unit for Differently Abled has been proactive in helping specially abled on all fronts. The Department of Philosophy held a periodical lecture, sponsored by the Indian council of Philosophical Research, on 25th February, 2015 on "Significance of Buddhism in today's World".

Honours/Distinctions

Dr. Mrs Veena Gautam (Officiating Principal) recognition by Royal Brands with the certificate and inclusion of her bio data in the manual.

Dr. Rekha Kaul, Associate Professor, department of Political Science was requested by the Directorate General, Doordarshan and the Director of Advertising and Visual Publicity, Ministry of Information and Broadcasting to be the resource person from University of Delhi for the exhibition on Vikas Purush, Shri Atal Bihari Vajpayee held between 19 December-25 December 2014 at India Gandhi National Centre for Arts, New Delhi.

"Time Frequency Analysis of Asymmetric Triaxial Galaxy Model including Effect Of Spherical Dark Halo Component" published in International Journal Of Astronomy and Astrophysics, June, 2015.

Lt. Seema Kaushik, ANO attended the Combined Annual Training Camp (CATC) held at Bhakkargarh from 25th Dec., 2014 to 3rd January, 2015. As an athlete, she won 2 Gold (1500 m, 4x400m race), 2 Silver (400m, 800m) & 1 Bronze medal (200m) in the 28th Malaysian Open International Masters Athletics Championship 2014 held at Malaysia. She also secured a Silver Medal (4x400m) in the 18th Asia Masters Athletics Championship 2014 held at Kitakami, Japan and got selected to represent India in the XXI World Masters Athletics Championship scheduled to be held at Lyon, France in August, 2015.

Dr. Anita Malhotra (Department of Home Science) Lead editor of IDACONnews and co-edited the proceedings of National Conference of Indian Dietetic Association, 2014.

Dr. L. R. S Lakshmi, (Department of History) Received Teen Murti Fellowship from Nehru Memorial Museum and library.

Dr. Neeta Bareja (Department of Commerce) awarded doctorate in commerce from Rajasthan.

Ms. Anu Chhabra, (Department of Mathematics) presented a paper "Modified Optional Unrelated Question RRt Models" at the International Conference on Advances in Interdisciplinary Statistics and

Combinatorics (AISC 2014) held at the University of North Carolina-Greensboro during October 10-12, 2014.

Presented a paper "A Field Test of an Optional Unrelated Question RRT Model" at UNCG-RMSC Conference University of North Carolina-Greensboro during November 1, 2014.

Research Projects

The Innovation Project LBC 201 funded by University of Delhi and titled 'Understanding the Potential Determinants of Obesity among School Going Adolescents in Delhi' is nearing completion. The project team comprised of four faculty members Dr. Anita Malhotra, Dr. Gayatri, Ms. Sonica Singhi, and Dr. Anu Taneja Gupta and eleven students Anshika, Barkha, Chanchal, Devanshi, Karishma, Priya, Priyanka, Sakshi, Saloni, Sreya, Vasundhara from three disciplines - Food Technology (Home Science), Commerce and Economics. The findings from a sample of nearly 1100 boys and girls (aged 13-18 years) suggest that environmental factors such as easy availability and intense marketing of unhealthy food (including that in school canteen) as well as easy access to personal computers/laptops/smart phones have adverse effect on the dietary lifestyle, physical activity and sedentariness of the affluent adolescents. The team also put up a stall at the Innovation Plaza, Antardhvani, Feb 20-22, 2015, to showcase the methodology and results through innovative models (obetools), games (nutriquiz and obecards), and equipment (body composition analyzer and stadiometer) which were highly appreciated by the participants

Sanrakshan, the society for environmental awareness has developed a 'herbal garden' and 'waste to wealth' project at Integrated Waste Management Project Site within college premises.

Library Development

LIBRARY AUTOMATION The college library has been fully automated using Libsys software. Approximately 83000 books have been put into the Automation Process. The Library has undergone renovation and now has its own computer unit catering to the students and teaching faculty of the college. There are two computer units, one each on the ground and the first floor. Library tickets and Library I-cards have been computer generated for the staff and students. OPAC (On Line Public Access Catalogue Facility) has also been provided for users since November 2008. The Library has also purchased a Scanner Gun for greater efficiency on the Issue/Return Counter. Wi Fi Connectivity has also been provided.

Publications

Beena R. Gupta (Department of Mathematics) Research Paper on Characterization of phase space structure of 'Circular Restricted three body problem (2D & 3D) : An Alternative Approach published in International Journal of Bifurcation and Chaos, World Scientific Publishing Company.

Dr. Mrs. Veena Gautam, Officiating Principal Co-edited a book titled 'Lori Sahitya Kosh' and authored an article in the book titled 'Lori Sahitya Kosh'.

Dr. Anita Malhotra, Department of Home Science authored a chapter 'Food marketing-an underlying link to child obesity' In: Bhav S. ed. Obesity in Children and Adolescents', 2014.

Authored an article 'Preventing Children from the menace of obesity'. Health Connect. A Pushpanjali Crosslay Hospital Publication, 2014.

Dr. M. P. Yadav, Department of English published article in KMC Journal of Interdisciplinary Studies, Kathmandu, Nepal.

Published article in Asian Quarterly: An International Journal of Contemporary Issues, Pune, India.

Published article in International Journal of Nepal Council of World Affairs, Kathmandu, Nepal.

Published article in LAN Journal of Literary Association of Nepal, Kathmandu, Nepal.

Published article in International Journal of SSPG College, Shahjahanpur, India.

Conference Organized/Attended

UGC Sponsored State Seminar on “Engendering State & Society in India: Inquiries from a Feminist Perspective”, August 20, 2014, organized by Women’s Development Centre, Lakshmibai College.

UGC Sponsored National Seminar on “Samkaleen Sahitya mein Nari Chetna”, September 24-25, 2014, organized by Hindi Department.

National Conference on “Discrimination on the Ground of Disabilities”, January 7, 2015, organized by ‘Enabling Unit for Differently Abled and Society on Affirmative Actions, Lakshmibai College.

UGC Sponsored National Seminar on “Corporate Governance: Perspectives & Practices”, September 18-19, 2014.

UGC Sponsored National Seminar on “Optimization and its Applications”, January 15-16, 2015, organized by Department of Mathematics.

UGC Sponsored National Seminar on “Food and Textile Industry –Emerging Trends and Perspectives”, February 10-11, 2015, organized by Department of Mathematics.

Seminar on “Stri Vimarsh: Kal, Aaj aur Kal”, February 18-19, 2015, organized by Hindi Department.

Conference Attended

Faculty Strength: Permanent : -98 ; Ad-hoc - 69

Financial allocation

Grant sanction in Rs 22,18,93,000

Placement details

Number of students getting successful placements: Several of our students have been registered online at the Central Placement Cell (CPC) of the University of Delhi. Out of many successes, six students of B.Sc. (H) Maths III year, Tanya Tandon, Charu Bhatia, Amanpreet Kaur, Shivani and Charu Chagti have been selected by Wipro Pvt Limited for WiSTA (WIPRO SOFTWARE TECHNOLOGY ACADEMY) for four year program during the annual placement Drive conducted by CPC in 2015.

Number of Companies coming for recruitment: The placement cell collaborated with several academic institutions such as NIIT, Honhar Career developers, Edupristine Institute, Jagan Institute of Management Studies, New Delhi Institute of Management to conduct seminars and talks in order to equip the students with requisite skills to ensure their readiness for the job market. In future, the placement cell endeavors to invite over companies on the LBC campus directly for recruitment Drive.

Extension and outreach work

With 107 enrolled cadets, the vibrant National Cadet Corps (NCC) wing of Lakshmibai College maintained its excellence standards during 2014-15 as well.

LCPL Rinki and LCPL Komal made us proud by attending the Republic Day Camp (RDC-2015). In PM-Rally, LCPL Rinki also represented Delhi Contingent in Drill while SGT Chanchal, LCPL Sarita and LCPL Komal performed in group dance.

JUO Bhawna and JUO Shivani Choudhary presented Guard of Honour at Amar Jawan Jyoti (AJJ) on NCC Day. CDT Bhupinder attended the final Thal Sainik Camp (TSC) and won 2nd position in cultural programme at All India level. Our two cadets namely SUO Bharti Verma and JUO Shivani Choudhary attended Army Attachment Camp at Meerut.

SGT Chanchal attended National Integration Camp (NIC) held at Delhi prior to RDC. The National Integration Camp (NIC) held at Amritsar was attended by six cadets namely CQMS Deepali, SGT Pinki, LCPL Dolly, LCPL Natasha, LCPL Sandhya under the leadership of SGT Monika and secured 2nd position in group dance, group song and National Integration Awareness Programme (NIAP). CPL Esha, CPL Rucheta and CPL Anjali attended the Advance Leadership Camp (ALC) held at Agra. JUO Bhawna and JUO Shivani Choudhary escorted the Chief Guest–Director General of NCC Lt. Gen. Aniruddha Chakravarty as pilots during the Opening and Closing Ceremony of 2nd NCC National Games held at Delhi Cantt.

Five (5) cadets of our college attended Combined Annual Training Camp (CATC) held at Bhakkargarh under the leadership of CDT Tarannum Bano, while CDT Neeraj performed yoga demonstration.

SUO Bharti Verma & JUO Shivani Choudhary were declared the Best NCC Cadets of 7 Delhi Girls Bn as well as Group-B. The Lakshmibai College contingent stood 1st in the Drill Competition and led the NCC parade in the opening ceremony of the Annual Cultural Festival of DU – Antardhvani 2015 under the leadership of JUO Bhawna.

JOURNALS+Magazines subscribed: approximately 50.

Total number of Books: 86741.

MAHARAJA AGRASEN COLLEGE

Activities and Achievements

Inauguration of the Sardar Vallabhabhai Patel Auditorium:- The Hon'ble governor of Gujarat, Shri. O.P. Kohli, inaugurated the newly constructed college auditorium named after Sardar Vallabhbhai Patel

First Sardar Patel memorial Lecture:- The 31st of October 2014 witnessed a myriad of events throughout the country. The patriotic zeal of the nation hardly knew any bounds. However, Maharaja Agrasen College had something more to add to the significance of the day. In recognition of the National Unity Day and the efforts of Sardar Vallabhabhai Patel in bringing together the princely states throughout the nation, the institution organized the first ever Sardar Patel memorial Lecture.

First Swami Vivekananda memorial Lecture:-The college celebrated 'National Youth Day' birthday of the icon of modern youth Swami Vivekananda on 12th January, 2015. The college held 'First Swami Vivekananda Memorial Singh.

Research Projects

Impact of Dilli Haat as a socio-Cultural and Commercial Oasis on the Urban Youth: Exchanges and Negotiations.

Developing a Connection between Spiritual Ecology and Sustainability in the University Curriculum through an empirical Study.

Identification of Pandava Trail in Karsog Valley of Himachal Pradesh and influence of Pandavas/Mahabharata heroes on local culture and folk songs.

Fan without electricity

Fostering diffusion of Educational Technologies in Undergraduate Learning for the Students, by the Students.

Characterization of corrosion resistance Properties of hydroxyl based compounds in mine water environment from Indian coal mines and empirical calculations of thermodynamic parameters.

Environmental impact assessment of Gazipur landfill area.

महिला ऊत्पीडन एवं बलात्कार के प्रति जागरूक करने में हिंदी समाचार पत्रों की भूमिका

परिवर्तित समाजार्थिक संदर्भ व्यक्तित्व एवं कृतित्व से संबंधित वृत्तचित्र निर्माण हेतु सामगी संचयन

Development of University applications (DU-APPS) for mobile platforms

Library Development

No of Books	:	36902
No of Journals-	:	28
National Journals	:	20
International Journals	:	8
Digital Library Facility	:	Yes
No of CD,s	:	200
No of News Papers-	:	13
English News Papers-	:	8
Hindi News Papers	:	5

Publications

Dr. Chaavi Bhatnagar, Assistant Professor, Department of Electronics research paper titled, "Enhancement in the Performance of Multi-walled Carbon Nanotube: Poly (methymethacrylate) Composite Thin Film Ethanol Sensors through Appropriate Nanotube Functionalization" Published in Elsevier in Material Science in Semiconductor Processing Volume 31, 2015, pp. 166-174.

Gitanjali Chawla, Associate Professor, Department of English cultures of the Indigenous: India and Beyond. Ed. Prem K Srivastava and Gitanjali Chawla. New Delhi: Authorspress, 2014. ISBN: 978-81-7273-923-2

De-territorialising Diversities: Literatures of the Indigenous and Marginalised. Ed. Prem K Srivastava and Gitanjali Chawla. New Delhi: Authorspress, 2014. ISBN: 978-81-7273-926-3

"From 'Roots' to 'Routes': Reconstructions of Punjabiya in Bhangrascape." On Local Vs Universal. MUSICULT'14: Music and Cultural Studies Conference Proceedings May 15-16, 2014 Istanbul Technical University. Istanbul: DAKAM Publishing, 2014. 245-253.

Manjari Chaturvedi, Assistant Professor, Department of English published a paper titled 'Peeping through a Hole: The Haat as a Window to the Socio-cultural Dynamics of Rural and Folk Culture' published in LITERARIA Vol. 4 No. 1, Jan-Jun 2014. ISSN NO. 2229-4600

Ms. Manvi Tak, Assistant Professor, Department of Physics published a research paper titled "Flower like ZnO nanostructure based electrochemical DNA biosensor for the bacterial meningitis detection" in International Journal "Biosensor and Bioelectronics".

Research paper titled "Hydrothermally Synthesized Flower like Zinc Oxide Nanostructured Matrix for Amperometric Biosensor with Enhanced Response" was published in "Advanced Science Letter" An International Journal of repute.

Meena Mehta, Assistant Professor, Computer Science Department paper titled, "Review on impact of Social Engineering on security, privacy, integrity of digital data and cybercrimes against organizations" in UGC sponsored National Conference on Emerging trends in Computer Science and Information Systems. ISBN 978-93-84224-27-1

Paper titled, "Testing, Minimization, Transparency and performance of system test case prioritization: A Case study of regression testing" in International Journal of Information, Technology and Management. Volume 6, Issue II May 2014 Number: ISSN-2249-4510

Dr. Omkar Singh, Assistant Professor, Department of Computer Science paper titled "An Analysis of Technological Inputs in Commerce: Study based on use of information technology in e-commerce" in a peer reviewed International Journal Shodh Prerak, A Multi disciplinary Quarterly Vol. IV, Issue 4, Oct 2014 ISSN 2231-413X

Paper titled, "An Evaluation of E-Commerce and E-CRM Services" in National Conference on Emerging Trends in Computer Science and Information System, ISBN-978-93-84224-27-1, 13th-14th March, 2015

Coordinator of 4 week Skill Development Program in the field of Robotics organized by ESRC during 12th August 2014 - 8th September 2014.

Convenor of the UGC sponsored National Conference on "Striving & Thriving Towards Diffusion of Student-Driven Research in Science and Technology for Inspired Learning" held at Maharaja Agrasen College, University of Delhi on 16-17 October 2014.

Edited proceedings of the above mentioned Conference.

Coordinator of National Robotics Competition organized by ESRC and Department of Electronics on 12th March, 2015.

Dr. Preeti Gupta, Assistant Professor, Department of Computer Science "Review on impact of social engineering on security, privacy, integrity of digital data and cyber crimes against organisations", in Conference Proceedings of UGC Sponsored National Conference on Emerging Trends in Computer Science and Information Systems (NCETCSIS-2015), pp 15-22, ISBN: 978-93-84224-27-1

Dr. Rosy Sinha, Assistant Professor, Department of English "Crisis of Identity in the Novels of V.S. Naipaul". New Delhi: A. K Publications, ISBN: 978-93-83334-94-0.

Sonika Jain, Assistant Professor, Department of Journalism published a Research Paper entitled "Yoga and George Clooney: Understanding Yoga Philosophy and the Film Gravity" in the Indian Journal Life Positive, July 2014, Volume 18, Issue 4, pp. 60-63. ISSN 2320-4699.

Longer version of the paper entitled "Innovative Pedagogic Techniques in Higher Education" was published as Conference Proceedings by Authors Press, New Delhi, pp. 41-45, ISBN: 978-81-7273-958-4. October 17-18th, 2014.

Sushil Yadav, Assistant Professor, Department of Mathematicsco-authored a research paper Yadav, S., Aggarwal, R: Perturbations of a Geo-Centric Synchronous Satellite with Resonance. Astrophysics and Space Science, Springer, 353 (2), 417-424 [2014].ISSN 0004-640X.doi:10.1007/s10509-014-2038-0.URL <http://dx.doi.org/10.1007/s10509-014-2038-0>

Dr. Tej Narayan Ojha, Assistant Professor, Department of Hindi published book titled “ Bhakti Kavya mein grehasth jeevan” MR Publications 2014 ISBN:978-93-8382-77-7.

Edited book titled “ Hindi Cinema badalte sandharbh” Ritish Book Depot 2014 ISBN : 978-93-81479-75-9.

Edited book titles Power of Ethics Ritish Book Depot 2014 , 2014, ISBN: 978-93-81479-80-3.

Published Research Paper titled “ Samakalin hindi sahitya ka badalta tever aur media” -22, 2014, ISSN : 2230-8997.

Dr. Swami Nandan, Assistant Professor, Department of Physics a Book titled "Some aspects of Nambu Mechanics”

Conferences Organized/Attended

National Conference on “Emerging Trends in computer science and information system”.

National conference on “Coverage of rural India: Issues and Challenges”.

National Seminar on “Basic Electromagnetic Theory, RF/Microwave Technologies and applications”.

3rd National Conference on “Biodiversity and Climate Change”.

National Symposium on “India’s soft power: An untapped potential”.

National Conference on “Spiritual Ecology and Sustainability: Confluence and Relevance In the 21st Century”.

National Conference on “Striving & Thriving Towards diffusion of student-driven Research in Science and Technology for Inspired Learning”.

National Student Academic Congress(THEME POWER OF COMMUNICATION)-2015

Faculty Strength: Permanent:- 64; Temporary:- 01; Ad-Hoc:- 59

Financial Allocation and Utilization

Grant sanction in Rs. 17,57,98,000/-

Utilized in Rs. 16,70,61,475/-

Placement details

Number of students getting successful placements : 57

Number of companies/Industries coming for campus recruitment : 05

Number of repeat recruiters:-03

Extension and Outreach work:-

Number of camps organized in the surrounding areas	:	02 Camps
Number of people enrolled/covered in the camps	:	100 approx.
Number of students who worked in the camps	:	80 approx.
Total number of hours dedicated to these camps	:	(5 days X 8 hours) =40 hours

Journals subscribed: International : 8; National: 12

MAHARSHI VALMIKI COLLEGE OF EDUCATION**Activities & Achievements**

The academic session started with a well planned orientation programme addressing all aspects of the B.Ed. course. Participation of students ensured through the election of Students Panchayat which was duly installed on 10 November 2014, the Chief Guest was Professor KK Jain, Ex Head & Dean, Faculty of Education, University of Delhi. The Foundation Day of the college was celebrated on 16 November 2014, Professor Shyam Menon, Vice Chancellor, Ambedkar University, Delhi gave the Foundation Day Address on the theme 'Education as Transformative Process'. The college celebrated Sports Day on 10 February 2015 with Dr. SP Pathak as the Chief Guest. Annual Picnic was organized on 11 March 2015. A one-day educational gathering was also organized on the theme 'Education as a Reflective Practice'. Visit to INSA, select historical places, krishi mela etc. was organized by some faculty members for their methodology of teaching students. Special schools were visited by students offering the corresponding electives. School experience programme accomplished successfully through the cooperation of the needed number of schools. Students were exposed to issues and challenges in school education by Deputy Commissioner, KVS through an interactive session organized for the purpose. Students wholeheartedly participated in 'Run for Unity' and 'Swachhh Abhiyan' on the specified dates.

Research Projects

The innovative project 'Developing Psycho-social Profile of Indian Adolescents' [MVCE 201] was completed and report submitted by Dr. Manjari Gopal, Dr. Jyoti Kohli and Dr. Sushil Dhiman on 31 March 2015.

Students with Distinctions

Ms. Rashi obtained 76.6% marks in B.Ed. Annual Examination 2014 and got II position in the university. Three students got distinction in B.Ed. Annual Examination.

Library Development

An amount of Rs. 392976/-was spent on the development of library resulting in the addition of 134 titles and 9 encyclopaedias. The library subscribed to 18 Journals.

Publications

Dr. Vandana Gupta co-authored book - A Fresh Approach to AIDS Epidemic, ISBN-978-93-81906-90-3, Vishwabharti Publications, 2015.

Revolutionising Science Education through ICT. MERI Journal of Education, ISSN 0974-2085, October 2014, Volume X, No. 2.

Prabha S. & Kumar R. (2014). Prospective Science Teachers' Reflections on the Use of Learning Strands in Developing Lesson Designs. European Scientific Journal ISSN 1857-7881 (Print) E-1857-7431, (Special Edition), Retrieved from <http://www.eujournal.org>.

Ms Meenakshi Chawla corporal Punishment'. MERI Journal of Education, ISSN 0974-2085, April 2014, Vol X, No. 1.

'School Curriculum and Youth Employment'. MERI Journal of Education, ISSN 0974-2085, October 2014, Vol. X, No. 2.

Conferences Organized/ Attended

Dr. Manjari Gopal co-authored paper entitled 'Creating Opportunities for Drawing Generalizations through an Interface between Pre-service Trainee Teachers and School Children ' International Conference of Education, Research and Innovation (ICERI) in Seville, Spain held from November 17-19, 2014.

Co-authored paper entitled 'Orienting Pre-service Teachers to the Changing Social Realities through Relevant Pedagogic Practices'. International Conference on Action Research in Education (ICARE) in Kuching, Malaysia on September 23-24, 2014.

Dr. Jyoti Kohli Virtual presentation of a joint paper entitled 'Creating Opportunities for Drawing Generalizations through an Interface between Pre-service Trainee Teachers and School Children ' at International Conference of Education, Research and Innovation (ICERI) in Seville, Spain held on November 17-19, 2014.

Presented a joint paper entitled 'Orienting Pre-service Teachers to the Changing Social Realities through Relevant Pedagogic Practices' at International Conference on Action Research in Education (ICARE) in Kuching, Sarawak, Malaysia on September 23-24, 2014.

Dr. Vandana Gupta presented paper entitled 'Issues Concerning a Science Teacher' in the National Conference on Learning organized by Lady Irwin College, University of Delhi on 13 March 2015.

Presented a paper entitled 'Effectiveness of School Based Intervention Programme against Bullying and Victimization' in the Fifth International Conference of the Comparative Education Society of India, held at University of Delhi, 16-18 Nov 2014.

Faculty Strength: Permanent : 15; Ad hoc - 3; Guest teachers- 4

Financial Allocation & Utilization

The following is the status of financial allocation and utilization in respect of the college for the financial year 2014-15.

In Rupees	Salary	General (Non Plan)	General (Plan)	Capital (Non Plan)
Grant Sanction	49704392	2890806	520739	500000
Utilization	37291498	1789498	Nil	403076

Extension & Outreach Activities:

Community service is an essential part of the B.Ed. programme. All the students did a minimum of twenty hours of community service as an essential requirement.

Journals Subscribed

The library subscribed to 18 Indian Journals besides three-journals available through DULS.

MAITREYI COLLEGE

Activities and Achievements

The college felt proud in hosting the visit of Mr. Nick Clegg, Deputy Prime Minister, UK in its campus in August. He conducted an interaction session with the students from different colleges of University of Delhi at our College. The exchange programme, UKIERI-SIP was organized in collaboration with British Council and Indogenius in August. This year our college hosted 60 students, from various universities of UK, belonging to disciplines ranging from medicine and engineering to law. The annual inter college cultural festival 'Rhapsody' received accolades from the College faculty as well as the students with active participation from various colleges in December. It was flagged off to a positive start with inauguration by Chief Guest Manoj Tiwari, the famous bhojpuri actor and currently also a BJP MP. The first day of Rhapsody concluded with a performance by the band 'Vyom', which got the crowd grooving in no time. The second day of the fest was even more enthralling, with the performances by DJ 'Nucleya' and RJ 'Yuvi'. The event was covered in HT CITY. Maitreyi College has been awarded 'Cleanliness, Hygiene and Sanitation Education (CHASE)' Award by the Confederation of Indian Universities on December 20, 2014. Maitreyi College, like preceding years, retained excellence in Academics. A total of 2829 students appeared in the Annual Examination and 1643 students obtained I Division, 372 students obtained II Division and the overall pass percentage was 97.14 %.

Library Development

The College Library acquired 964 books during 2013-14 and also subscribed to 58 journals including popular Magazines. A collection of 19 Newspapers are available in the Library. The total collection of the Library has been augmented to 93772 including CDs. It subscribed to more than six thousand E-Journals and more than 97000 E-Books through N-LIST.

Publications

'Photoionization of confined hydrogen atom by short laser pulses', by Shalini Lumb, Sonia Lumb and Vinod Prasad, Indian J. Phys. 89, 13 (2015).

'Laser-induced excitation and ionization of a confined hydrogen atom in an exponential-cosine-screened Coulomb potential' by Shalini Lumb, Sonia Lumb and Vinod Prasad, Phys. Rev. A 90, 032505 (2014).

'Photoexcitation and ionization of a hydrogen atom confined by a combined effect of a spherical box and Debye plasma' by Sonia Lumb, Shalini Lumb and Vinod Prasad, Phys. Lett. A 379, 1263 (2015).

Conference Organized/Attended

Dr. Mala Kapur Shankardass, Department of Sociology participated in the 17th biennial conference of the Association of Gerontology India (AGI) and International conference on Engaging and Empowering Elderly from September, 2014 at the Centre for Development Studies (CDS), Thiruvananthapuram, Kerala, and presented paper Elder Abuse in India: Issues and Responses.

Ms. Jyotsna, Department of Commerce co-presented a paper in International seminar on the topic 'Blending of traditional and modern knowledge: understanding Indian performance on IPRs' held in March 2015 in University School of Law and Legal Studies, GGSIP.

Faculty Strength: Permanent -113; Ad hoc - 58

Financial Allocation and Utilization

Grant sanction in Rs	-	Rs. 45,19,71,000/-
Utilized in Rs.	-	Rs. 31,74,11,512/- (Subject to Audit)

Placement details

Number of students getting successful placements	:	10
Number of Companies/Industries coming for campus recruitment	:	08

Extension and Outreach work

No of camper organized in surrounding area Parivartan Campaign- 1 Oct, 2014- Lets make Maitreyi the Cleanest College -Shalini Lumb, Ms. Shaifali.

Number of people enrolled/covered in camp	:	1000
Number of student s who worked in the camp	:	300
Total no. of hours dedicated to these camps	:	15 hours.

Students number under exchange programme

Undergraduate inbound exchange students UKIERI Study India - 60 UK students participated in inbound exchange organized in our college.

Study UK -2 students Shally Vashisthta and Kalee Kapoor and 1 faculty member Dr. Swapna Ray Jain Participated in study UK – Outbound Exchange Students.

Journals subscribed

Number of International journals subscribed online through N-LIST(6066+) paper back version	:	04
Number of National journals subscribed online through N-LIST(200+)paper back version	:	27
Popular Magazines	:	23

MATA SUNDRI COLLEGE FOR WOMEN

Activities and Achievements

The College applied for accreditation to the National Assessment and Accreditation Council (NAAC) in 2014. The Self Study Report (SSR) has been uploaded on the College website. An SC/ST Welfare Cell was constituted this year as per the directive of the Governing Body of the College. A talk was organized on 12th February 2015, on the topic, 'Deprivation of SC/ST in Indian Society'. The College participated in 'Antardhvani', the Annual Inter-College Festival held on 20-22 February 2015. The College celebrated Good Governance Day on 24th December 2014. A seminar on the topic 'Use of Innovation and Technology to Promote Good Governance' was organized. On 2nd October 2014, 'Swachh Bharat Abhiyan' was organized by the N.S.S. unit of the College. Sardar Vallabhbai Patel's birth anniversary was celebrated by the College on 31st October, 2014 as 'Rashtriya Ekta Divas'. Cultural festival, Quiz competitions, Sports, Debates, lectures, seminars, film shows etc were also organized through the year.

Research Projects

An Innovation Project is being carried out in College. The title of the Project is 'The Experience and Correlates of Happiness among Young Adults'. The study explores the perception and correlates of happiness/well being among the youth, in particular the students from University of Delhi at the undergraduate level.

Library Development

Repair and replacement work of electricity, glass work and IT related work has been done in the Library. 2108 books were added during the year 2014-15(as on date 16.03.2015).

Publications

Arora, Rupal. "Flexible Packaging Process – its impact on consumer's perception and their buying decisions". *International Research Journal of Commerce Arts & Science*, 5 (10). 2014 :47-55.

Gaur, Pranita. "A comparative study for delinquents and non delinquents in assessment of their personality and family environment". *Multidisciplinary Health Care*. Ed. Nimisha Kumar and Sameena Sultan. New Delhi: New Delhi Publishers,2015. ISBN: 978-93-81274-69-9

Jaggi, Pooja. "Creativity and Self- Esteem Among Dancers and Non-Dancers". *Indian Journal of Social Sciences and Organizational Behaviour*. Vol. 3 Issue 1&2. July 2014. ISSN 2278-568X.

Kaur, Gurvinder & Kiranpreet Kaur. "Determinants Of Favourable Consumer Brand Extension Evaluation- Are 'QUALITY' and 'FIT' the most important determinants?" *GE-IJMR* Volume-2 issue-7.July 2014. ISSN: (2321-1709)

Kaur , Harleen and Pandit ."Modelling Consumer Evaluation of Brand Extensions: Empirical Evidence from India". *Vision*. Vol 19 (2015), No. 1, pg, 1-12, Sage Publications.

Sukhija, Madhuri. "Rise of Media in Bhutan and its impact on Democracy". *The Journal of the United Services Institution of India* (USI Journal). January-March Vol. CXXXIX, No.578(2015).

Wadhawan, Pooja. "Role of contemporary women in deciding career patterns". *Career Development- Different Voices Different Choices*. The Readers Paradise, 2015. ISBN- 978-93-82110-24-8.

Conferences Organized/Attended

International

Dr. Radhika Menon presented a paper titled 'The World Beyond the School: Educational and Vocational Trajectories and the Experience of Disadvantage' at "Comparative Education Society of India" an international conference held at University of Delhi on 17 November 2014.

Dr. Manpreet J. Singh presented a paper titled 'The Impact of Colonial Encounter on Sikh Identity: Colonial Borders, Postcolonial Conflicts' at CoHaB and CASSI Joint International, Interdisciplinary Conference on "Beyond Borders and Boundaries: Imaginings and Representations", organized at Mumbai University from 2-4 March, 2015.

Dr. Suprita Jha presented a paper titled 'Spirituality: The Pillar of True Education' at an international conference on “Spirituality : The Essence of Ethical Leadership and Management” organized by School of Management Studies, Varanasi from 22nd to 24th November, 2014.

Dr. Pooja Jaggipresented a paper titled 'Creativity and Self- Esteem Among Dancers and Non-Dancers', at ACAP Conference, Singapore on 8th May 2014.

Ms. Ravneet Kaur presented paper titled ‘Inculcating a culture of reflection in pre-service teacher education’ at an international seminar on "Alternatives in School System and Teacher Education" organized by, Indian Association of Teacher Educators in collaboration with and NIOS, MHRD, Govt. of India at Department of Education, University of Allahabad, on 8-9 March, 2014.

Dr. Radhika Menon presented a paper titled 'Education as Individual Experiences in Contemporary South Asia' at the Indo-Japanese Special workshop by research group Kyoto University, Japan at India International Centre on 28 February 2015.

Dr. Suprita Jha presented a paper entitled 'Buddhism: Quintessential Values for the Contemporary way of Life' in an Interdisciplinary International Seminar on "Buddhism, Culture/Literature and the Constitution of India” organized by Department of English, Faculty of Arts, Banaras Hindu University on 20th December, 2014.

National

Mrs. Chetan Kaur presented a paper titled 'Green Marketing- A Sustainable Approach' at a UGC sponsored National Seminar held on 18th February, 2015 organized by University School of Business Studies, Punjabi University Patiala at Talwandi Sabo.

Dr. Simmi Kapoor Mehta presented a paper titled 'Punjab Politics – 1922-1935' at the 75th Indian History Congress on 28th to 30th December, 2014 held at Jawaharlal Nehru University.

Dr. Lokesh Gupta presented a research paper titled 'Discrimination of Disabled People on ground of Disability' at Laxmi Bai College, University of Delhi on 7th January, 2015.

Dr. Mohan Kumar presented a paper titled 'Digital Granthalay' at the Bilingual International Conference "Information Technology : Yesterday, Today and Tomorrow " organized by DESIDOC , DRDO, New Delhi on 19th – 21st February, 2015.

Dr. Mohan Kumar presented a paper titled 'Digital Library Development: Entering a New Civilisation' in National Conference on "Transforming Dimension of IPR: Challenges for the New Age Libraries" organized by National Law University, Dwarka, New Delhi. 23-24 January, 2015.

Dr. S. Kalpana Devi presented a paper titled 'Impact of e-banking in customers perspective' at National Conference on "Innovations in Banking", held on 28th August, 2014.

Faculty Strength: Permanent 165 members.; Ad hoc - 59 basis ; Guest Faculty- 9

Financial Allocation And Utilization

Grant Sanction in Rs.

Plan Grant	Non-Plan Grant
Utilised Rs. 15,18,366/- from the Grant received in February, 2014.	Recd Rs. 28,11,98000/-
	Utilised Rs. 27,57,21103/-

Placement Details

Number of students getting successful placements: Around 400 (approximately) students from final year pursuing different courses were registered with the Placement Cell. 348 students were placed in various companies.

Number of Companies/Industries coming for campus recruitment: 4 companies came for campus recruitment. They were IBM Concentrix, Genpact, Tata Consultancy Services, ICICI and Stratbeans Consulting Pvt. Ltd. Several other companies came and organized seminars.

Number of repeat recruiters : One, Genpact (2012-2013 & 2014-2015)

Journals Subscribed

Number Of International Journals Subscribed (Online + Paperback Version):

The College subscribes 4 international journals (paperback).

Number Of National Journals Subscribed (Online + Paperback Version)

The College subscribes 25 national journals(paperback).

Other Significant Information

A number of new construction and repair work was undertaken during this year. Replacement and repair or electricity work has been done in the Auditorium, Main Gate, Class Rooms and Vocational Centre. A number of black boards has been replaced in the class rooms and one smart board has been installed in the B.El.Ed. Department. A new Block of toilets and disabled friendly toilet have been constructed. The Fire Extinguishers have been replaced with new ones. The College Staff Room has been renovated with furniture, accessories and electricity gadgets. Office chairs have also been replaced. A 40 seater TATA Marco polo bus has been purchased. The constructions of ramps are under progress. The Common Room and Placement Cell are under renovation.

MAULANA AZAD INSTITUTE OF DENTAL SCIENCES

Activities and Achievements

Organized Dental Health Utsav-2014- The Annual event of MAIDS i.e. Dental Health Utsav “Delhi Smiles” was organized from 1st to 6th December 2014 in the institutional premises. The events like Dental Health Exhibition, Dental Health Check-up, Colourful Rangolis, face Painting & Port Painting, Rahagiri, Inter-College Youth Festival, Rahagiri, Sports and other activities were organized during this event.

Foundations stone for Phase-II building of MAIDS was laid through the auspicious hands of Hon’ble Union Minister for Health & Family Welfare, Sh. J.P. Nadda in presence of Hon’ble Union Minister for Science & Technology, Dr. Harsh Vardhan, Sh. Najeeb Jung, Hon’ble Lt. Governor Delhi. The work of Phase-II building is in progress. It is 2+10 Floor building and the work is likely to be completed by end of 2016.

Starting of more MDS courses at MAIDS- Keeping in view the requirement of Delhi for specialised Dental Professionals in MDS (Post Graduate) and other specialties i.e. public Health Dentistry has been started for the academic year 2014-15.

Oral Health Care activities under National Rural Health Mission- Maulana Azad Institute of Dental Sciences (MAIDS) is participating in NRHM activities for which 04 IEC Vehicles & 02 Mobile Dental Clinic have been procured with this facility. MAIDS is reaching to the door-step of patients requiring primary dental treatment particularly for the patients belonging to EWS category.

Honours/ Distinctions

Sh. Pranab Mukherjee, President of India awarded the prestigious Padma Shri to Dr. Mahesh Verma at a ceremony held in the ornate Ashoka Hall of the Rashtrapati Bhawan in New Delhi on April 26th 2014.

Maulana Azad Institute of Dental Sciences was ranked as the Best Dental institute of the country for the third consecutive time by the extensive and renowned rating survey conducted countrywide for educational institutions for the year 2013 by the Outlook magazine in association with Drishti, Mumbai.

Dr. Mahesh Verma was awarded with “Lifetime Achievement Award- 2014 by Heal Talk” in September 2014.

Dr. Gyanender Kumar, is the proud recipient of “Excellence Award” received from Press Club of India on 20th April, 2014, and “Excellence Service Awards” received from ETV network in February 2014 in recognition of his contribution to field of dental sciences.

Research Projects

New Millennium Indian Technology Leadership Initiative (NMITLI) project on Dental Implants. Investigators: Dr. Mahesh Verma, Dr. Naresh Bhatnagar, Dr. Farrukh Faraz, Dr. Abhinav Sood, Dr. Swati Sikka.

Tobacco promotions and sales in school neighbourhoods in Central Delhi, India: A cross sectional survey- under STS scheme of ICMR. Investigators: Dr. Aswini YB, Abrar Hussain, Dr. Mahesh Verma, Dr. Arundeeep Kaur, Dr. Vikrant Mohanty

Validation of ICMR criteria for dental fluorosis for health workers. Investigators: Dr. Mahesh Verma, Dr. Vikrant Mohanty

Intraradicular Root Rehabilitation: A finite elemental stress analysis study. Investigators: Dr. Mahesh Verma, Dr. Akhil Rajput, Dr. Sangeeta Talwar, Dr. Ruchika Roongta, Dr. Pulak M Pandey.

Evaluation of applicability and efficacy of dental pulp progenitor cells for generation of osteoprogenitor cells, defining their application in the reconstruction of maxillofacial bony defects utilizing efficient cell response modification protocols and biomaterial scaffolds. Investigators: Dr. Mahesh Verma, Dr. Sriram Krishnan, Dr. GU Gurudutta.

Library Development

Library is having 5912 Books (paperback) + 59 online books and 129 National and International journals and 44 online journals of varying disciplines of dentistry. Library also offers internet facility to its users. It has procured sufficient number of CD's and audio visual equipment. Library provides Book Bank facility to economically weaker students.

Publications

Dr. Mahesh Verma- Successful Endodontic Management using Er, Cr: YSGG Laser. Disinfection of Root Canal in a case of large Periapical Pathology. International Journal of Dental Science and Research. Oct 2013; Vol.1 (3) Pg. 63-66.

Dr. Sangeeta Talwar, Dr. Sarika Chaudhary - Successful Endodontic Management using Er, Cr:YSGG Laser Disinfection of Root Canal in a case of large periapical pathology.International Journal of Dental Sciences & Research Oct. 2013;Vol.1(3): Pg. 63-66

Dr. Arundeeep Kaur Lamba, Dr. Farrukh faraz, Dr. Shruti Tandon, Dr. Kirti Chawla-Treatment of Peripheral Ossifying Fibroma using Er, Cr:YSGG Laser: Report of two cases. International Journal of Laser Dentistry ; Sept- Dec.2013 Pg.94-99

Dr. Kirti Chawla, Dr. Arundeeep Kaur Lamba, Dr. Farrukh Faraz, Dr. Shruti Tandon- Treatment of Pyogenic Granuloma using Er, Cr:YSGG Laser- A case Report. International Journal of Laser Dentistry. Jan-Apr.2013.Vol.3 (1).Pg.29-32.

Dr. Sujata Mohanty- Mandibular Angle and Coronoid Process Fracture Secondary to Orofacial Dystonia: Report of Case. International Journal of Orofacial Myology. Nov.2113; Vol.39: Pg. 24-30.

Dr. Priyank Rai, Dr. Tulika Tripathi- Prestretcher.International Journal of Orthodontics 2014 Vol.25(1)

Dr. Mridula Goswami- Use of Mineral Trioxide Aggregate in Surgical and Conventional Endodontics: A report of Five cases. International Journal of Clinical Pediatric Dentistry. May-Aug. 2013, Vol.6(2).

Dr. Vikrant Mohanty- Role of Dental Institutions in Tobacco Cessation in India: Current Status and future Prospects. Asian Pacific Journal of Cancer Prevention 2013. Vol.14: Pg 2673-

Dr. Aadithya B. Urs, Dr. Priya Kumar- Orofacial findings in Postaxial Acrofacial Dysostosis. Journal of Oral and Maxillofacial Pathology 2014; Vol.18: Pg 149.

Conferences Organized/Attended

K-Line workshop: Clear aligners as a substitute for train track braces at MAIDS on 18th November, 2014.

Faculty Strength: Permanent - 60

Financial Allocation and Utilization

Grant Sanction in Rs. - GIA received from Delhi Govt. Rs. 30.00 Crore.

Utilized in Rs. - Rs. 27.48 Crore.

Placement details

Number of students getting successful placements - 06

Number of Companies/ Industries coming for campus recruitment- 01 (Clove Dental)

Extension and Outreach work

Number of camps organized in the surrounding areas - 248

Number of people enrolled/ covered in the camps - 10321

Number of students who worked in the camps - 939

Total number of hours dedicated to these camps - 1333 hrs

NHM- MOBILE DENTAL CLINIC- COMMUNITY OUTREACH PROGRAME-

Districts Covered	-	North-East, North-West, West
Total Out patient	-	39,799 (May, 2014 to April 2015)
Total treatment provided	-	19,274
Referrals made	-	8029
School Children screened	-	4058
Ashakiran Mentally Challenged hospital	-	91 (Screened), 83 (Treated)

Journals subscribed

Number of international journals subscribed (online + paper back version)

International Journals subscribed (Paper back version)	-	115
International Journals subscribed (Online)	-	39

Number of National journals subscribed (online + paper back version)

National Journals subscribed (Paper back version)	-	14
National Journals subscribed (Online)	-	5

Other Significant Information

Dr. Mahesh Verma has received the Padma Shri Award from the Government of India in April 2014.

Dr. Sangeeta Talwar gave oration as speaker on topic titled “Esthetic treatment of developmental defects of anterior teeth” at International Conference of Dental Specialities 2014, ITS Dental College, Muradnagar, Ghaziabad.

Dr. Vikrant Mohanty delivered a lecture on “Dental Tourism” at Medical & Wellness Tourism Summit organized by PHD Chambers on 25th July, 2014.

MIRANDA HOUSE

Activities and Achievements

This year we further strengthened National and International collaborations with various institutes, academies and other entities. The high point was the visit of Dr. Ellen Stofan, Chief Scientist NASA, soon after the successful Indian Mission to Mars (MoM). She was accompanied by a high level delegation representing the National Science Foundation. The college was privileged to host a delegation of ten top level executives from the U.S. educational institutions visiting India under the Fulbright-Nehru International Education programme. A three week long certificate course on Women Studies was organized in collaboration with Wisconsin University’s Women Studies Group. The visiting team included twelve US students and two faculty experts as resource persons. *Mega Trends 2020*, the FICCI Young Leaders flagship programme on the theme the *Third Industrial Revolution: The Future of Work* was organized in September 2014 attracted almost 500 students from across the colleges of the University. It was addressed by renowned young industry leaders. The college was also invited by National Academy of Sciences, India (Allahabad) to host and organize the prestigious NASI Awards 2015 and Lectures by the two laureates, namely, Professor Akhilesh Tyagi and Professor Debi Sarkar.

Honours/ Distinctions

Dr. Pratibha Jolly continued as Member, Scientific Advisory Committee to the Cabinet (SAC-C) constituted by the Government of India in an order dated 26 July 2012; continued as Chairperson, Delhi Chapter, Institute of Physics, UK. She was nominated on the Research Advisory Committee (RAC) of Shri Ram Institute of Industrial Research.

Dr. Purnima Roy was awarded a scholarship to attend the King's College London Summer School, July 2013.

Dr. Rama Yadav was selected on deputation as the Visiting Professor to ICCR's Chair of Hindia at ELTE University, Budapest, Hungary, for a period of two academic years

Ms. Suvasini received the Chancellor's International Research Scholarship from University of Sussex to do Ph.D in Education.

Dr. Jyoti Arora, Dr. Rekha Kumari and Dr. Mallika Pathak, were awarded a Certificate of Appreciation for *Best Innovative Idea and also the Best Display Award under the category Scientific Arena* at Innovation Plaza, Antardhvani 2015, DU Academic and Cultural Festival, 20-23 February 2015.

Research Projects

Department of Biotechnology (DBT) Star College Schemewas extended by two years with an additional grant of Rs 10 lakh in 2014-15. This is in continuation of the project first awarded in the year 2011 with a grant of Rs. 55 lakh for five departments namely, Botany, Zoology, Chemistry, Physics and Computer Science. Based on excellent performance, the college received an additional amount of Rs. 13.5 lakh in 2013-14.

University of Delhi Innovation Projects

Seven projects with total grant of Rs. 29.5 lakh were awarded

Kashmiriyat Beyond – a Study of Colonial and Post Colonial Kashmir (3 lakh)

Gendered Socialisation – Comparative Perspective (3 lakh)

Efficacy of Natural Dyes in Dyeing and Imparting Antimicrobial Properties to Different Textile Materials (4.5 lakh)

More Miles on the Yamuna (3 lakh)

Disaster Preparedness: Developing a Strategy for Vulnerability Reduction through Information, Education and Communication (4 lakh)

Nanoparticles and plant systems.: in vitro and in silico studies (6.5 lakh)

Eureka! My Lab (5.5 lakh)

Dr. Monika Tomar received Rs 424.38 lakh for *Development of thin film Surface Acoustic Wave device as a platform for the sensing applications* (November 2014 to November 2019), Rs. 450 lakh for *Demonstration of LED by PLD* from Ministry of Information Technology & Communication

(December 2013 to June 2015) and Rs. 95.40 lakh for *Development of metal oxide thin film based low cost sensors for CNG & PNG* from GAIL (October 2013 to October 2015).

Dr. Monika Tomar received Rs. 86 lakh for a DST sponsored project *Validation and improvement of indigenously developed table-top Surface Plasmon system (SPR) system* (February 2015 to January 2016).

Dr. Sadhna Sharma received Rs. 66.48 lakh for *Molecular Cloning and Immunological Validation of Three Hypothetical Proteins of M. Tuberculosis with Strong T-cell Epitopes* from Department of Biotechnology (2013-2016).

Library Development

The total sanctioned budget : Rs.15.5 lakh.

Books added : 1006

Journals added : 5

Major repair and renovation work was undertaken. This included re-flooring, improving the lighting, polishing of all book shelves in the stack areas; procurement of new chairs; and redesigning of reading hall and faculty section. As the library has a holding of more than one lakh books, this was a major challenge. The aesthetic design has led to manifold increase in the occupancy of the library.

Publications

Roy, S. (2014). Pedagogic Predicament: The Problems of Teaching English within a Postcolonial Space. Interventions: *International Journal of Postcolonial Studies*, Routledge, UK.

Sarkar, A. S. & Das, A. (2014). Groundwater irrigation – electricity–crop diversification nexus in Punjab: trends, turning points and policy initiatives. *Economic and Political Weekly* Volume 49. 52: 64-73.

Singh, N. (2015) The women's question: participation in Indian National Movement and its impact. *Journal of Humanities and Social Science*, IOSR, ISSN NO.2279-0837.

Kaur, J. & Threja, A. (2015). Enhancing primary mathematics learning using assessment practices: an initiative taken up by pre-service teachers. *International Journal of Humanities and Social Science Invention* 4(1): 66-72.

Virmani, G. & Srivastava, M. (2014). Various types of well-posedness for mixed vector quasivariational-like inequality using bifunctions. *J. Applied Mathematics and Informatics* 32: No.3-4.

Aggarwal, S. & Gupta, C. (2014). A Novel algorithm for solving intuitionistic fuzzy transportation problem via new ranking method. *Annals of Fuzzy Mathematics & Informatics* 8 (5): 753-768.

Arora, K., Tomar, M. & Gupta, V. (2014). Reagentless uric acid biosensor based on Ni microdiscs loaded NiO thin film matrix. *Analyst* 139- 4606-12.

Batra, N., Sharma, A., Tomar, M. & Gupta, V. (2014). Efficient detection of total cholesterol using (ChEt-ChOx/ZnO/Pt/Si) bioelectrode based on ZnO nanostructured matrix. *Thin Solid Films*. 562-612-20.

Bhatia, S. S., Bahri, S. & Moitra, S. (2014). SiO₂ nanoparticles: Effect on seedling biology. *International Journal of Applied Engineering Research* 9(8): 935-939, ISSN 0973-4562.

Kakkar, R., Sharma, S. & Badhani, B.(2014).Density functional study of functionalization of carbon nanotubes with carbenes. *Canadian Chemical Transactions, June 2014, Volume 2, Issue 4, pp. 434-449, ISSN 2291-6458.*

Saraav, I., Singh, S., Pandey, K., Vishnoi, E., Sharma, M. & Sharma, S. (2015). Cell wall-associated *Mycobacterium tuberculosis* rRv3083 protein stimulates macrophages through toll-like receptor-2 (TLR2). *International J. Mycobacteriol. 4: 176.*

Conferences Organized

Indo-Dutch Collaborative Programme on Management and Cultural Contexts, coordinators Dr. Meetu Bhatia and Ms. Sunita Meena in International Collaboration with Utrecht Business School, The Netherlands (27 – 31 January 2015).

Collaborative Workshop on Womens Studies, with the University of Wisconsin, Eau Claire, USA, and Department of Political Science, (5-23 January 2015).

National Symposium on Recent Advances in Immunology was organized by Indian Immunology Society (IIS) and Department of Zoology, at Indian National Science Academy (7-18 July 2014).

National Academy of Sciences, India (NASI)Annual Award Lectures (16 September 2014).

FICCI Megatrends 2020: Shaping India's Future, *The Third Industrial Revolution: Intelligent Technologies and the Future of Work* was organized by *Arthashastra*, the Economics Society (16 February 2015).

Zenith Model United Nations Conference 2015 was organized by the Economics Society (14-15 March 2015)

Conferences Attended

Dr. Monika Vij presented a paper *Urban ecology and crime: a case study of Delhi* at the International Geographical Union (IGU) Regional Conference, Krakow, Poland, 17-22 August 2014.

Dr. Anindita Sarkar presented a paper *Water-energy-food nexus in Punjab, India: trends, turning points and alternative solutions* at the International Conference Sustainability in the Water-Energy-Food Nexus, Global Water System Project, Bonn, Germany, 19-20 May 2014.

Dr. Bashabi Gupta presented a paper *Emergent development partnerships: India Ethiopia relations* at the International Conference India and Africa Developmental Experiences and Bilateral Cooperation, Woikote University, Ethiopia, 08-09 December 2014.

Ms. Pragya Pandey presented a paper *Emerging Maritime security environment in the Indian Ocean region: Challenges and Responses* at the 23rd World Congress of Political Science, organized by International Political Science Association, Montreal, Canada, 19-24 July 2014.

Ms. A. R. Sitalakshmi presented a paper *Students' explanations of phase changes in relation to the learning and teaching of chemical bonding and structure in India*, International Science Education Conference (ISEC 2014), National Institute of Education, Singapore, 25-27 November 2014.

Dr. Rama Yadav presented a paper *Indian culture and Indian festivals at Albertfalvi cultural centre*, at Budapest, Hungary, 18 October 2014.

Faculty Strength: Permanent- 131; Temporary- 03; Adhoc- 66

Financial Allocation and Utilization

Grant sanctioned : Rs 41,36,67,000
Grant utilized : Rs 37,77,07,461

Placement Details

Number of students getting successful placements: About 150 students found good placements. About 90% of students who apply get placement.

Number of companies/industries coming for campus recruitment: 35

Number of repeat recruiters: 20

Number and Name of Domestic /International (MoU) signed with partners

With Indian/Foreign Universities

Science Setu Programme: MoU with the National Institute of Immunology (NII)

Indo Dutch Program: MoU with Utrecht Business School, the Netherlands MoU was renewed)

Extension and Outreach work

Miranda House responded to the clarion call of the Prime Minister's for *Swachhhta Abhiyan* by launching on 2 October 2014 the *Swachhh Parisar Abhiyan*, that is, the *Clean Environs* campaign. Nearly 200 NSS and NCC volunteers led the effort that saw large turnout from the entire Miranda House community including students, faculty and non-teaching staff. They took upon themselves the near impossible task of cleaning the narrow green belt and pathways around Miranda House on the three surrounding roads, *Chattra Marg*, *Shreya Misra Marg* and *Patel Chest Marg*. Large teams are continuing the work of keeping the college and its environs pristine. The college designed and installed two brick and concrete garbage collection utility to gather public litter near the front and back gate. NSS volunteers organized several health and education camps to serve marginalized communities residing in slums around the college. Blood donation camp was also organized.

Student numbers under exchange programme

JENESYS^{2.0}: Japan-East Asia Network of Exchange for Students and Youths (8 students participated from 12 to 20 January 2015 in Japan)

SP Jain School of Global Management Initiative at Miranda House (2 students in May 2014)

King's London Summer School in the session from 28 July to 16 August 2014 (Four students received full scholarship)

Utrecht Business School on *Strategic Management and Culture* from 30 June to 4 July 2014 (7 students)

Journals subscribed

Number of national journals subscribed : 119 paper version.

Number of international journals subscribed (online + paperback version): Miranda House is a member of DULib, DELNET and has access to all available journals.

Other Significant Information

Students have been selected for internship in the best institutes. As many as 20 science students did summer internship at Vikram Sarabhai Space Centre, ISRO, Chennai Mathematical Institute, NIUS, Tata Institute of Fundamental Research, Physics Research Laboratory, Indian Institute of Science, Inter-University Accelerator Centre, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR). More than fifty students worked as summer interns in the D S Kothari Centre for Research and Innovation in Science Education established at Miranda House.

An illustrative list is given below:

Two Video Conferences with King's, one on *Quality Assurance* and the other on *Research*. Both these were facilitated by Eleanor Salt and Michael Bedward from King's. The Quality Assurance session (10 June 2014) was a dialogue between Faculty at Miranda House and King's Faculty in order to exchange ideas on the processes each institution has evolved for full time and collaborative courses run with other institutions. The session on Research (19 June 2014) covered topics such as how many academics engage in research at King's, what is the difference between academics that conduct research and those that teach, how research influences teaching, how research is funded.

Robotics Laboratory at Miranda House (e-Yantra Lab Setup Initiative (eLSI)) was inaugurated on 11 April 2014. The faculty team comprising of Dr. Mallika Verma, Dr. Monika Tomar, Ms. Anuradha Khattar and Dr. Charu Goel participated in the Robotic competition, in which teams from various colleges across India were given a common theme to work upon. The competition had several stages and the finals were held in IIT Bombay on 10-11 April 2014. Eleven finalist teams were invited to participate in the finals. Ms. Anuradha Khattar and Dr. Charu Goel went to IIT Bombay to represent the college in the finals. The faculty team secured overall fourth position in the national event.

The following books were published by faculty 2014-2015:

Ira Singh, *The Surveyor*, Picador India, Panmacmillan 2014

Harsh Meena *Meena Janjat ievm British Raj*, Raj Publishing House 2014

Manjit Singh and K.K. Singh, *Perspective in Regional Development*, Research India Press 2014

Shruti Sharma, *Secularism in India – A Normative and Judicial Discourse*, Victorious Publishers 2014

Nidhi Seth *Creative writing at the middle school: A process writing approach*, Lambert Academic Publishing 2014.

Amita Pandey *Hari Shankar Parasai ke Sahitya Mein Vyakti, Samaj aur Itihas*, Aarya Book Depot 2014

Tilak Sarkar *Mahashweta Devir choto golpo*, Book Express 2014.

MOTILAL NEHRU COLLEGE

Activities and Achievements

Dr. (Mrs.) Suman Sharma, department of political science, has recently been appointed as Principal, Lady Shri Ram College, University of Delhi. In addition, Dr Pawan Sinha, department of political science, has been awarded prestigious "Maharshi Ved Vyaas Samman for education for 2013-14 by

Madhya Pradesh Government for his contributions in education. Eight new eco-green, semi-permanent, air-conditioned classrooms (Jubilee Block) have been added to academic infrastructure of the college. Moreover we are at the finishing touch stage of adding eleven more classrooms in the forthcoming session. College campus is fully Wi-Fi enabled. Our faculty have published article in journal/magazines of international repute. Further, the college has ensured the PwD enabled infrastructure.

Honours/Distinctions

Dr. Suman Sharma, Associate Professor, Department of Political Science has been appointed as Principal of Lady Sri Ram College, University of Delhi.

Dr. Vandana Mishra, Assistant Professor, Department of Political Science has been conferred best teacher award from Government of NCT of Delhi for the Academic Session (2013-14).

Dr Pawan Sinha, Department of political science, has been awarded prestigious “Mahrishi Ved Vyaas Samman for education for 2013-14 by Madhya Pradesh Government for his contributions in education.

Research Projects

The teachers have successfully run 4 research projects funded by Delhi University/UGC/DST/ICHR.

S.No	Name	Title of the Project	Duration
1.	Dr. Suman Sharma, Associate Professor, Department of Political Science.	“Human Security: Climate change and south Asian association for Regional Cooperation (SAARC) Initiatives”	01.08.2012 to 31.07.2014
2.	Dr. Devendra Jarwal	“Impact Assessment of Dalit Entrepreneurship in Economic Development of Rajasthan in Post Liberalized Era”	01.05.2013 to 30.04.2015
3.	Dr. Vipul Singh	“Flood Control in the Gages Basin: Land-Use Change and Social Disparity (1811-1947)”	01.04.2013 to 31.03.2015
5.	Dr. Ram Babu Pachwariya	“Advancement in Catalytic Technologies for degradation of non-biodegradable dyes/aza-dyes using radiation energy (solar energy UV/Visible light for industrial application”	29.11.2013 to 29.11.2015

Library Developments

Our library is fully PwD enabled wherein JAWS software has been installed of Visually Challenged students. Further, we fully committed to provide most updated library facility to our students and teachers.

Total Budget: Rs. 14, 43, 375/-

Books Added: Rs. 2598

Journals Subscribed: 52 and 6000 + e-journals through UGC-Infonet, University of Delhi.

Conferences Organized/Attended

Title	Date	Coordinator/Conv enor	Sponsor
Chemical society organized a lecture of Dr. Hemant Tyagi, Deputy Managger Quality Control, IOCL, Panipat Refinery on “Quality aspects in Refinery and Petrochemical operation” .	--	Dr. Krishan Kumar, Department of Chemistry	College
A Talk was held on the theme ‘An Entrepreneurial Journey’. The Guest Speaker was Ms. Ambika Shukla, a social entrepreneur and Director for ‘People for Animals’.	30.10.2014	Dr. Anu Pandey, Department of Commerce	College
A Seminar was conducted by IMS on the topic “Vedic Mathematics and Career Options after college”.	31.10.2014	Dr. Anu Pandey, Department of Commerce	College
The Entrepreneurship Development Cell (EDC) of IIT Delhi held a workshop on the subject ‘Entrepreneurship’.	10.11.2014	Dr. Anu Pandey, Department of Commerce	College
A Talk was held on the topic ‘Corporate Social Responsibility and Corporate Governance are Complementary’. The Guest Speaker was Prof. J.P. Sharma, Head Dept. of Commerce, Delhi School of Economics, University of Delhi.	15.01.2015	Dr. Anu Pandey, Department of Commerce	College
A seminar was organized and Prof. T K V Subramanian former Dean, Social Sciences & Head, Department of History, DU was invited as chief guest who delivered on “New Trends in History”.	09.03.2015	Mr. Anand Kumar, Department of History	College

Faculty Strength: Permanent - 95 ;Temporary - 01; Adhoc - 48

Financial Allocation and Utilization

Grant Sanctioned : Rs. 28,64,38,000
Utilization : Rs. 24,98,97,000

Placement Details

Number of Students getting successful placement: 20

Number of companies/Industries coming for campus Placement: 20

Number of Repeat Recruiters: 15

Journals Subscribed

Number of International journals subscribed (Online+ Paper Back Version): 6000 + e-journals subscribed through UGC-Infonet + 4

Number of national journals subscribed (Online+ Paper Back Version) : 6000 + e-journals subscribed through UGC-Infonet + 48

MOTILAL NEHRU COLLEGE (EVENING)

Library Development

Total Budget : Rs.3,61,280/- (Recurring Grant) & Rs.90,562/- (UGC 12 Plan)

Books Added : 1140

Publications

Dahiya, Jyoti Jakhar : Published a Book “History and Literature : The incident of ‘Komagata Maru’ “ by Books Plus, New Delhi, in July, 2014.

Dahiya Hema : ”Migrant Metaphors in Colonial and Postcolonial Literature”, in Postcolonial and Third-World Literature: An Overview, Eds. Ujjawal Sharma and Suruchi Kalra Choudhary (Ahmedabad: Shanti Prakashan, 2014), 33-40.

Bhalla Priya : Impact of Deregulation, Globalisation and Technology on Mergers & Acquisitions in Financial Sector”, Review of Glocal Studies, Vol. 1, No. 2, April, 2014 (ISSN 2347-5072).

“Mergers & Acquisitions in India : A Sectoral Analysis”, International Journal of Business and Economic Development, Vol. 2, No 2, July, 2014 (ISSN 2051-8498).

“Consolidation in the Indian Financial Sector : does it make the Sector Vulnerable to Contagion”, Journal of Business Thought, Vol. 5, April, 2014 (ISSN 2231-1734).

Ashwani Kumar : Published a Book “Shiksha, Media Aur Rajniti” published by Academic Avenue Publication in September, 2014.

Published a Research Paper on the topic “Dalit Sahitya Aur Hindi Patrakarita” published in Hindi Journal Himaliyan, IAS Shimla.

Chauhan, Simmi : Research Paper “Jungle ke Davedar” published in monthly magazine ‘Samyak Bharat’ in February, 2015.

Conferences Organized/Attended

International

Dr. R.N. Tripathy: Presented a Paper titled “Does Disaster Management Protect the Rights of the Most Vulnerable? A Study of Human Rights of Dalits in the Disaster Response and Recovery in India” presented in the 72nd Annual Midwest Political Science Association Conference (International Conference), held in Chicago, USA on April 3-6, 2014.

Panelist on the round table on “Open Access Publishing”, in 72nd Annual Midwest Political Science Association Conference, Chicago, USA in April 3-6, 2014.

Dr. G.N. Trivedi : Presented a detailed Research Paper in New Orleans, Louisiana, USA on Demystifying gender and its Dimensions: The ‘Male-ness’ and ‘female-ness’ in the realm of child sexual abuse, on 19th February, 2015.

Delivered a lecture in Georg Mason University, School of Policy, Government and International Affairs, Virginia, USA on the topic ‘A Comparative Study of Democracy in the Western and Indian Societies on 25th February, 2015.

Dr. Priya Bhalla: Presented a Paper on the Topic “Impact of Mergers & Acquisitions on Technical Efficiency: A Stochastic Distance Function Approach”, in 9th Annual Business Research Conference held on 4th -5th August, 2014 at Imperial College, London, UK.

Dr. Hema Dahiya: Presented a Research Paper ‘Shakespeare Studies in Colonial Set-up: A Case Study of the First Indian College of English Education’ at The American University of Rome, Rome (Oct. 28-31, 2014)

Dr. Anjali Agarwal : Presented a Research Paper “Growth and Structural Transformation of Workforce in India” in International Conference MAFMEB-November, 2014 in JNU, New Delhi.

Conferences Organized/Attended

National

Dr. R.N. Tripathy : Presented a Paper titled “From Human Duties to Human Rights : Finding an Alternative Foundation for Human Rights in Buddhist Philosophy” in the ICHR sponsored National Seminar on Buddhist Philosophy-Old Glory and Future Prospects organized by Municipal Post Graduate College, in Mussoorie, India, in March 24-25, 2015.

Dr. Priya bhalla:Presented a paper on the topic “Linking Mergers & Acquisitions to Instability in the Indian Financial Sector: An Empirical Analysis”, in National Conference on Banking Sector Reforms in India: Experience, Opportunities and Challenges on April 6-7, 2015 by Shri Ram College of Commerce, Delhi University.

Dr. Hema Dahiya: ‘Homer in English: Translators and Commentators’ at the University of Rajasthan, Jaipur (Dec. 4-6, 2014)

‘Arjuna and Hamlet : A study in Indecisiveness’ at Mohanlal Sukhadia University, Udaipur (March 16-17, 2015.

Dr. Rajesh Kumar : Delivered a lecture as a Resource Person on ‘The dialectics of Marginality-an Epistemological Otherization’: Comparing Dalit and Australian Aboriginal Autobiographies on 07th July, 2014 at 14th 3 Week Refresher Course in English organized by UGC-ASC, Jamia Millia Islamia, New Delhi.

Dr. Anjali Agarwal: Presented a Research Paper “Assessing Efficiency in Non-Income Human Development Index-A case of Indian States” in 51st Annual Conference of TIES” organized by the Department of Economics, Punjab University, Patiala from 12-14 Dec. 2014.

Dr. Jyoti Jakhar Dahiya: Presented a paper “Collating History in Popular Discourse : A Study of Select AVM representations of ‘Komagata Maru’ incident” in National Conference held on 28th October, 2014 at Amritsar by Guru Nanak Dev University .

Dr. Ashwani Kumar : Presented a Paper entitled “Dalit Kavita main Kalpana, Mitthak aur Yatharth” in a National Seminar on ‘Vartaman Sandarbh main Dalit Asmita se Jude Sawal aur Sahitya Lekhan’ (Sh. Omprakash Valmiki Ki Smriti Main) sponsored by Indian Institute of Advance Study, Shimla held on 14-15 April, 2014.

Presented a Paper entitled “Dalait Sahitya Ke Vikas main Hans aur Sanchetana Patrikaon ka Yogdan”, sponsored by Indian Institute of Advance Study, Shimla held on 30-31 March, 2015.

Faculty Strength: Permanent / Temporary / Ad-hoc : 75

Financial Allocation and Utilization

Grant sanction in Rs.15,74,49,000/-

Utilized in Rs.13,15,91,962/-

Journals Subscribed

Number of National Journal Subscribed : 27 Journals (Paperback Version)

NEHRU HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL

Activities and Achievements

Awarded “CERTIFICATE OF EXCELLENCE” 2014-15 by the directorate of AYUSH in recognition of consistent high standard of performance and meritorious services rendered for the cause of homoeopathy.

Library development

198 books purchased in 2014-15, Internet and photocopy facilities available

Faculty Strength: Permanent-Reader (NFSG)-11; Rader-15; Guest Faculty-10

Journals subscribed

Number of international jopurnals subscribed- 9 journals

Number of National Journals subscribed- 9 journals

Research Papers in International Journals (Peer Reviewed)

Title of paper: Mechanisms behind interindividual variations in diseases. Their implications in the genesis of peculiar symptoms in classical homeopathy.

Journal: Homoeopathic Links, volume 27(3), September 2014, pages 136-139.

Research papers in National journals (Peer Reviewed)

Title of paper: experimental studies on basophils exploring fundamental laws of homoeopathy: controversies and pitfalls.

Journal: homoeopathic pulse (quarterly e-newsletter of homoeopathic wing, directorate of ISM&H, Govt. of NCT of Delhi), volume VI, December 2014.

Title of paper: migraine.

Journal: homoeopathic pulse (quarterly e-newsletter of homoeopathic wing, directorate of ISM&H, Govt. of NCT of Delhi), volume IV, June 2014.

Title of paper: approach towards a patient with musculoskeletal complaints.

Journal: homoeopathic pulse (quarterly e-newsletter of homoeopathic wing, directorate of ISM&H, Govt. of NCT of Delhi), volume III, June 2014.

Publications

Dr. Neeraj Gupta: A paper published in Homoeopathic Heritage June 2014 titled, 'How can homoeopaths promote homoeopathy as a system in a country like India' under Open Discussion Forum. (Peer Reviewed journal)

Published a paper in National Homoeo Recorder volume 10, no.2, April-June 2014 on 'Homoeopathic Posology: Its Evolution and Application in Clinical Practice' (peer reviewed journal)

Published a paper in Indian Journal Of Research in Homoeopathy on " Leaching of Plastic Polymers by Plastic Vials Used for Storing Homoeopathic Medicines- A Preliminary Study " in volume 8/issue/APRIL-JUNE 2014 (peer Reviewed Journal).

Articles

Dr. Jethani, Bipin.Hahnemannian instructions with regards to posology: a study from Materia Medica Pura. Official E-journal of Department. of AYUSH 'Homoeopathic Pulse' May 2014.

Dr. Jethani,Bipin. *Coelation Of A Modern Repertory With Practise Of Medicine*. New Life Era Medical Journal, 4:2, September 2014.

Dr. Jethani, Bipin. Plussing Method of Remedy Administration. Official E-journal of Department. of AYUSH 'Homoeopathic Pulse' December 2014.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

Library Development

Budget utilized in f.y. 2014-2015	:	Rs.1,46,18,909/-
Number of books added	:	1461 Volumes
Internet facilities provided to	:	All faculty & All Students

Publications

S.No	Name of Authors	Title of Paper	Name of Journals	Vol.No.Pages Month,Year	Refereed or Not
1.	Madhu Jain Maneesha Gupta and Nitin Jain	Design of IIR Differintegrator and its Application in Edge Detection	Journal of Information Processing Systems	Vol.10,no.20,p p223-239, 2014	Yes
2.	Richa Srivastava, Maneesha Gupta, Urvashi Singh	Low Voltage Floating Gate MOS Transistor based Four-Quadrant Multiplier	Radio Engineering	Vol.23,no.4, pp.1150-1160, Dec.2014	Yes
3.	Madhu Jain Maneesha Gupta and Nitin Jain	Design of Half Sample Delay Recursive Digital Integrators using Trapezoidal Integration Rule	International Journal of Signal and Imaging Systems Engineering ,Inderscience	Paper Accepted 2014	Yes
4.	Bhawana Aggarwal, Maneesha Gupta, Anil Kumar Gupta, and Sahil Bansal	A very high performance CMOS current mirror	Analog Integrated and signal processing Springer	Vol.81,issue2, pp.367-375 Nov.2014	Yes
5.	Neeta Pandey Kirti Gupta and Maneesha Gupta	An Efficient triple-tail cell based PFSCLD Latch	Microelectronics Journal, Elsevier	Vol.45,pp. 1001-1007, Aug.2014	Yes
6.	Maneesha Gupta, Bhavesh Relan, Richa Yadav, Varun Aggarwal	Wide Band Digital Integrators and Differentiators Designed using Particle Swarm Optimization	IET Signal Processing	Vol.8,issue 6, pp. 668-679, Aug.2014	Yes

7.	Richa Yadav, Maneesha Gupta	Design of Fractional Order Integrators and Differentiators using Novel Rational Approximations	International Journal of Circuits and Architecture Design (IJCAD)	Vol.1,No.2, 2014	Yes
8.	Richa Srivastava Maneesha Gupta Urvashi Singh	Low voltage FGMOS squarer/divider based analog building blocks	International journal of Electronics,Ta ylor and Francis	Published online:29 April; DOI:10.1080/0 0207217.2014. 905996.,vol.10 2, issue 4, pp563- 581,2015	Yes
9.	Richa Yadav Maneesha Gupta	New Improved Fractional Order Integrators using PSO Optimizations	International journal of Electronics, Taylor and Francis	Published online:03 May 2014; DOI:10.1080/0 0207217.2014. 901424,vol102 , issue 3,pp.490- 499,2015	Yes

Conferences Attended

Prabhat K. Sharma and Parul Garg,"Outage analysis of full duplex coded cooperation," Proceeding of National Conference on Communications (NCC),IIT Kanpur, Kanpur India, Feb.28-02 March,2014.

Parul Puri, Parul Garg, Mona Aggarwal and Prabhat K. Sharma, "Multiple user pair scheduling in TWR-FSO systems in presence of building sway," Proceeding of International Conference on Signal Processing and Communications (SPCOM),IISc Bangalore, India, July 22-25,2014.

Mona Aggarwal, Parul Garg and Parul Puri,"A novel MGF-based approach to analyze SIM-based relayed FSO systems,"Proceeding of International Conference on Advances in Computing, Communications and Informatics (ICACCI), Greater Noida, India, Sept.24-27,2014.

Gaurav Sharma Prabhat K. Sharma and Parul Garg,"Performance analysis of full duplex relaying in multicell environment,"Proceeding of International Conference of Advances in Computing and Informatics (ICACCI), GCET, Greater Noida, India Sept.24-27,2014.

Nikhil Sharma, Ankur Bansal, and Parul Garg,” On the performance of selective transmission based DF FSO system with generalized M-Distributed turbulence,”Proceeding of IEEE INDICON,Pune, India Dec.11-13,2014.

Faculty Strength: Permanent – 99; Temporary/Ad-hoc - 57

Financial Allocation and Utilization

Grant in Aid & Receipts	:	5402.19
Grant in Aid Received	:	3400.00
Expenditure Incurred	:	5111.87

Placement details

Number of students getting successful placements	:	600
Number of Companies/Industries coming for campus recruitment	:	155
Number of repeat recruiters	:	10

P.G.D.A.V. COLLEGE

Honours/Distinctions

Principal and Associate Professor, Department of Commerce, Dr. R. K. Gupta presented the Economic Review three times on the All India Radio (AIR), which was broadcasted by AIR to many countries in the world.

Dr. Satyakam Sharma, Department of Sanskrit was one of the eminent panelist in the Youth Conference and was also felicitated at the end of the conference, which was a part of the International Arya Mega Conference, Bangkok, Thailand in November 2014.

Dr. Meena Sharma, Department of Hindi, has been appointed as Member of the Governing Body of the Hindi Academy, Delhi.

Dr. Meena Sharma was awarded the D. Lit Degree by Agra University for the research titled “*Bhrtiya Navjagran Aur Stree Chetna*”.

Dr. Jai Shankar Sharma, Department of Commerce was awarded the PhD Degree for his analytical study of the social security provision of Government Insurance Schemes for Jabalpur district in his thesis titled “Provident Fund Organisation and Employees State Insurance Corporation”.

Research Projects

Dr. Meena Sharma, Department of Hindi, submitted the UGC Research Project titled “Katha Sahitya Main Stree Asmita ki Nirmiti: 1900-1950”.

Dr. Asha Rani – Department of Hindi, Ramesh Kumar – Department of Commerce and Meenakshi Yadav – Department of Commerce successfully completed the Innovation Project titled “Spending and Saving Habits of Undergraduate Students – A Study of Universities in NCR.

Dr. B N Chaudhary – Department of Political Science, Dr. Anil Kumar Singh – Department of Hindi, Dr. Vipin Pratap Singh – Department of English and Dr. Jai Shankar Sharma – Department of Commerce successfully completed the Innovation Project titled “The Social Auditing of Widow Pension Scheme in North-West District of Delhi”.

Dr. Anil Kumar – Department of English, Dr. Vipin Pratap Sing – Department of English and Hari Pratap – Department of Mathematics successfully completed the Innovation Project titled “Understanding the Themes in the Poetry of Weavers from Different Parts of India and Sociological Conditions that Dictate Such Tradition”.

Library Development

Total budget: 7,60,000/-
Number of books added: 2,798
Journals subscribed to: 59

Publications

Matiur Rehman Khan, Department of History, published an article titled “Islam, Islamists and Resistance” in the Journal of Development Management and Communication (ISSN 2348-7739), Vol. 1, No. 4, October-December 2014, Pp. 437-441.

Shruti Vip, Department of History, published an article titled “Globalization and Academic Capitalism” in Inclusive, the Kolkata Centre for Contemporary Studies (ISSN 2278-9758), Vol. 1, Issue 4, January 2014, Pp. 01-09.

Dr. Asha Rani, Department of Hindi, published an article titled “Stree Vimarsh Ke Dwand” in the book “Nari Vimarsh Ke Vividh Aayaam” edited by Dr. Sarabjeet Kaur Rai and Dr. Amerdeep Deol (ISBN 978-81-929322-1-7), C-Rightwell Publications, Jalandhar, 2014, Pp. 53-60.

Dr. Jyotsna Prabhakar, Department of English, published a research article titled “Portrayal of Nature and Art in Anita Nayar’s ‘Mistress’, in Jodhpur Studies in English (ISSN 0970-843X), Vol. XII, 2014, Pp. 88-97.

Dr. Jyotsna Prabhakar, Department of English, published a review of the collection of poems “The Mouth of Truth” N C Dwivedi in the interdisciplinary international journal Indian Ethos (ISSN 2249-4324), Summer 2014, Vol. 4, No. 1, Pp. 125-128.

Conferences Organized /Attended

Dr. Asha Rani, Department of Hindi and Convener of the Hindi Sahitya Sabha and Dr. Anil Kumar Singh, Department of Hindi organized a two day National Conference on “Hindi Sahitya Shodh Ka Swarup Avam Bhavishya” on 26-27 March, 2015.

Dr. Shubhendu Ranjan Raj, Department of Political Science, attended the IIIrd N R Social Science Congress organized by CSSR Dehradun on 3-4 March 2015 and gave the keynote address titled “A Paradigm Shift: 2014 Elections and Regional Parties”.

Faculty Strength; Permanent: 43; Ad-hoc: 39

Financial Allocation and utilization

Grant sanction in Rs: 1,478.82
Utilized in Rs: 1,247.52

Extension and Outreach work

Number of camps organized in the surrounding areas: There were four camps organized in the surrounding areas in the academic year 2014-2015 (blood donation, disaster relief, Swachha Bharat Abhiyan and adult education).

Number of people enrolled/covered in the camps: Approximately 200 people covered i.e. 50, 100, 70 and 50 in blood donation, disaster relief, Swachha Bharat Abhiyan and adult education respectively.

Number of students who worked in the camps: Approximately 150 students who worked in the camps i.e. 30, 50, 50 and 20 in blood donation, disaster relief, Swachha Bharat Abhiyan and adult education respectively.

Total number of hours dedicated to these camps: Total 17 hours dedicated to these camps i.e. 6, 2, 5 and 4 in blood donation, disaster relief, Swachha Bharat Abhiyan and adult education respectively.

Journals subscribed

Number of national journals subscribed (online + paper back version): 59

P.G.D.A.V. COLLEGE (EVENING)

(Pannalal Girdharilal Dayanand Anglo Vedic College)

Honours/Distinctions

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Dr. Jai Shankar Sharma, Department of Commerce was awarded the PhD Degree for his analytical study of the social security provision of Government Insurance Schemes for Jabalpur district in his thesis titled "Provident Fund Organisation and Employees State Insurance Corporation".

Research Projects

Dr. Meena Sharma, Department of Hindi, submitted the UGC Research Project titled "Katha Sahitya Main Stree Asmita ki Nirmiti: 1900-1950".

Dr. Asha Rani – Department of Hindi, Ramesh Kumar – Department of Commerce and Meenakshi Yadav – Department of Commerce successfully completed the Innovation Project titled "Spending and Saving Habits of Undergraduate Students – A Study of Universities in NCR.

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Library Development

Total budget: 7,60,000/-
Number of books added: 2,798
Journals subscribed to: 59

Publications

Dr. Jyotsa Prabhakar, Department of English, published a research article titled "Portrayal of Nature and Art in Anita Nayar's 'Mistress', in Jodhpur Studies in English, Vol. XII, 2014.

Dr. Jyotsa Prabhakar, Department of English, published a reviewed the collection of poems "The Mouth of Truth" N C Dwivedi in the interdisciplinary international journal Indian Ethos, Summer 2014, Vol. 4, No. 1.

Conferences Organized /Attended

Dr. Asha Rani, Department of Hindi and Convener of the Hindi Sahitya Sabha and Dr. Anil Kumar Singh, Department of Hindi organized a two day National Conference on "Hindi Sahitya Shodh Ka Swarup Avam Bhavishya" on 26-27 March, 2015.

Dr. Nagendra Sharma, Department of History, organized a One Day Seminar on "Writings on India's Ancient Past" In Memory of Prof. R. S. Sharma, on March 26, 2014.

Dr. Shubhendu Ranjan Raj, Department of Political Science, attended the IIIrd N R Social Science Congress organized by CSSR Dehradun on 3-4 March 2015 and gave the keynote address titled "A Paradigm Shift: 2014 Elections and Regional Parties".

Faculty Strength: Permanent: 43; Ad-hoc: 39

Financial Allocation and utilization

Grant sanction in Rs: 1,478.82
Utilized in Rs: 1,247.52

Extension and Outreach work

Number of camps organized in the surrounding areas: 4 (blood donation, disaster relief, Swachha Bharat Abhiyan and adult education).

Number of people enrolled/covered in the camps : 200 people (Approx)

Number of students who worked in the camps: Approximately 150 students who worked in the camps i.e. 30, 50, 50 and 20 in blood donation, disaster relief, Swachha Bharat Abhiyan and adult education respectively.

Total number of hours dedicated to these camps : 17 hours

Journals subscribe

Number of national journals subscribed (online + paper back version): 59

PT. DEENDAYAL UPADHYAYA INSTITUTE FOR THE PHYSICALLY HANDICAPPED

Activities and Achievements

PDDUIPH actively participated and assisted Ministry of Social Justice and Empowerment for successful conduction of National Award Ceremony to the differently abled on 3rd December. PDUIPH participates actively every year in SHIPOTSAV held at Dilli-Haat by setting up a stall for Awareness of Differently abled. Imparts training to and posting of students of National Institute of

Social Defence. During Delhi Assembly Election, PDUIPH trained around 7000 MTS for wheel chair maneuvers. organized Job fair for differently abled on 27th September, 2014. Successfully conducted Swachhhh Bharat Abhiyan Oath taking by all the staffs on 2nd Oct 2014 and a Painting competition on Swachhhh Bharat Abhiyan for the students of PDUIPH on 18th October, 2014.

Research Projects

Department of Physiotherapy

Association of Anthropometric characteristics to foot type & static postural balance strategy in young adults – Mrs. Manju Vats, Lect. (PT) PI & Mrs. Prachi Raj Meena, Lect. (PT) Co- Investigator.

To evaluate the efficacy of manual therapy for the management of vertigo – Mrs. Manda Chauhan & Mr. Anoop Anoop Aggarwal

A cross sectional study to determine the prevalence of unrecognized Benign Paroxysmal Positional Vertigo (BPPV) in middle aged and elderly people – Mrs. Manda Chauhan & Mrs. Rajni Kalra.

Department of Occupational Therapy

Effect of NFDR. on Bilateral Integration and Practice Abilities in Children with Sensorimotor Processing Problems

Effect of Activity – Based Mirror Therapy on Lower Limb Motor Recovery in Stroke.

ICF Cone Sets for Low Back Pain – Does it all the functional aspects of the client?

Library Development

Budget Expenditure : Books Rs. 8,86, 400/-
Journals Rs. 4,84, 600/-
Books added : 404

Journals : 14 (Foreign Professional Journal)

Internet Facility including WI-Fi , Printing and Photocopy Facility

MoU signed with Meerabai Institute of Technology (erstwhile Meera Bai Women's Polytechnic For Library Trainees.)

Publications

Department of Physiotherapy

“Effectiveness of Gaze Stability Exercises on Balance in Healthy Elderly Population” – Ms. Manju Vats Lect. (PT), Int J Physiother Res 2014, Vol 2(4):642-47. ISSN2321-1822.

Department of Occupational Therapy

Published a paper titled Improving Neurovascular and Mechanical Problems in Patients with Cervical Spondylosis at Scientific Proceedings of ISCA in Medical Sciences Section 2015, Dr. Meenakshi Batra

Stroke – related motor outcome measures : Do they quantify the neurophysiological aspects of upper extremity recovery ? Shanta Pandian & Kamal Narayan Arya, Journal of Body work & Movement therapy (Elsevier) : 2014 Jul; 18(3):412-23

Does the Motor Level of the Paretic Extremities Affect Balance In Poststroke Subjects ? Kamal Narayan Arya, Shanta Pandian, C.R. Abhilasha & Ashutosh Verma. Rehabilitation Research and Practice Volume 2014, Article ID 767859

A typical Motor Behavior in a Poststroke Subject with Agencies of the Corpus Callosum : A Case Report. Shanta Pandian & Kamal Narayan Arya. Annals of Physical & Rehabilitation Medicine (Elsevier) : April 2014 (57) 200-209

Conferences Organized

PDUIPH organized the National Conference on ‘Corporate Social Responsibility and Disability’ held on 30th & 31st October, 2014.

PDUIPH and FAIPH organized the first Alumni Meet of Physiotherapy, Occupational Therapy and Prosthetics & Orthotics students on 31st January, 2015.

The BPO department organized One day CRE programme “Socket Cutting Edge Technology on Trans- femoral Socketology” on 22.11.2014.

Conducted workshop for the students of Aditi Mahavidyalya, DU held on 9th October, 2014.

Faculty Strength : Permanent- 28; temporary – 22

Financial Allocation and Utilization

	Plan	Non-Plan	ADIP Scheme
(A) Grants sanction in Rs (lakhs)	725	1090	293.53
(B) Utilized in RS (lakhs)	685.27	1211.90	342.93

Placement details

	BPT	BOT	BPO
(a) Number of students getting successful placements	7	4	5
(b) Number of Companies coming up for campus recruitment	1	2	1
(c) Number of repeat recruiters	1	Nil	Nil

Extension and Outreach work

Number of camps organized in the surrounding areas - 06

Other Significant Information

Representatives from Japan International Co-operation Agency visited the Institute for interaction regarding placement of volunteers to be exchanged between 2 countries.

Disability Awareness Programme of Aganwari Workers was held on 03/06/2014.

Debate on the Theme of “Combating Corruption Technology as an enabler” held at PDUIPH on 29/10/2014.

Representatives from UNESCO visited the Institute on 27/11/2014.

A seminar on Exploring Motor recovery in Stroke through research held at PDUIPH conducted by FAIPH on 16/4/2015.

RAJDHANI COLLEGE

Honours/Distinctions

Dr. Vijay Laxmi Pandit chaired and presented a paper in the 23rd World Congress of Political Science, which was focused on “ A Changing World, a Changing Educational System: dealing with globalization and new Cultural & political values in middle and higher education & socialization organized by IPSA, from at Montreal, Canada, July 19 – 24, 2014.

Dr. J. N. Sinha commissioned by the American Historical Review (Indiana University, USA) to review Gajendra Singh, The Testimonies of Indian Soldiers and the Two World Wars. New York: Bloomsbury, 2014.

Research Projects

Innovation Projects – 2015: Study of Atmospheric Gas Pollution and UV Radiation

Innovating factor for the present projects is the strong connectedness between the environment, health, and technology issues. As is well known, pollution causes a number of health hazards. With the depletion of ozone layer and increase in pollution along with high UV index, life is being threatened. Hence, a sensor which can detect the pollution levels and hence warn us of possible problems is the need of the day.

Library Development

Our Library has more than one lakh books on various subjects and subscribes to 28 newspapers and around 55 magazines and research journals. In addition, the college library is also a member of N – List program of UGC INFONET, through which the users of the library can access 6000+ e – journals and 97000+ e – books. Reading room of the library has been fully air conditioned. Under automation process of the library online public access catalogue has already been started and remaining process will be completed in the coming academic session. An exclusive reading corner has been introduced for differently abled students and teaching staff, where internet enabled computer will be made available for them. Two library staff underwent a training programme conducted by University of Delhi for providing better services to physically challenged students. On the golden jubilee year of the college our library organized two days book exhibition for students and faculty members in the college campus.

Publications

Dr. J. N. Sinha ‘Science and the Freedom Movement’ People History, issue no. 2, (published by Sage) December 2014.

‘A Tribute: The People’s Historian’, in D. N. Jha, ed., The Complex History of Early India: Essays in Memory of Professor R. S. Sharma, Vol. I and Vol. II: Development of a Nation: Essays in Memory of Professor R. S. Sharma, Manohar, New Delhi, 2014 (printed in both volumes).

Dr. R. D. Sarmatwo research papers have been published in two international journals – Journals of Mathematics and Bulletin of Calcutta Mathematical Society respectively.

Ms. Sasmita Mohanty, published a paper on “Upaniveshwad Virodhi Sangharsh aur Vieupaniveshwad Ki Prakiya” of Comparative Politics paper, B.A. (Hons.) Political Science, E – Lesson written for ILL, University of Delhi in 2014.

Published a paper on “Globalization and the Nature of Indian State” of Political Processes in Indian paper, B.A. (Hons.) Political Science, E – Lesson written for ILL, University of Delhi in 2015

Dr. Ved Mitra Shukla, published translation of a long poem titled “Shadow, Fragrance and Sharmila Irom” in A Cry for Peace (Narendra Mohan’s Long oem in Hindi with Telgu & English Versions). Ed. K. Ravibabu. Vijayawada: AIPLF, 2015.

Published a research paper (in Hindi)titled “Premchand aur Charles Dikens: Yatharthvad ke Mahapandit” in Gagananchal (ICCR), Vol. 5, Year 37 (September – October 2014).

Conferences Organized

Two – Day ICSSR sponsored National Seminar on “Rethinking Assertive Politics in Contemporary Bihar:Caste, Development and Governance” was organized in the college on 20th – 21st March 2015 under convenorship of Dr. Nawal Kishore, Associate Professor, Department of Political Science.

Rajdhani College in collaboration with University of Tokyo, Japan organized an international conference on “Remote sensing of Earth’s Atmosphere” which was held in University of Delhi on 5thSeptember 2014.

Faculty Strength: Permanent – 94; Temporary – 01; Ad – hoc – 60

Allocations and Utilizations.

Grant sanctioned in Rs. 26,89,260/-

Utilized in Rs. 26,89,260/-

Placement Details

Number of Students getting successful placements - 50

Number of Companies/Industries coming for campus recruitment : Genpact, Noida, India, IBM India Private Limited, ICICI Prudential Life Insurance Co. Ltd, Apps Discover Technologies Pvt. Ltd.

Number of Repeat recruiters: Genpact, IBM India Private Limited

Number and name of Domestic/International (MoUs) signed with partners

The College has signed a MoU with University of Tokyo, Japan besides Tokyo University other Universities and Institute are also collaborating in this MoU viz. Nagoya University, Japan, Women’s Nara University and National and Institute of Environment Studies.

RAJKUMARI AMRIT KAUR COLLEGE OF NURSING

Activities and Achievements

The College continued to offer regular B.Sc. (H) Nursing, Master of Nursing and Ph.D in Nursing courses. But, M.Phil in Nursing was not offered due to non-filling up of the senior faculty positions. In addition to regular courses, short-term courses at local, state and national level are also conducted depending upon Government funding. Further, this College continued to work as 'Programme Study Centre' for Indira Gandhi National Open University to conduct classes of Post-Basic B.Sc. Nursing course. In addition to conduct of B.Sc. and Master of Nursing programmes, the College administered and provided services to the general public through its Rural Field Teaching Centre at Chhawla village.

Research Projects

“A Prospective Randomized Crossover Study to Assess and Compare the Effectiveness of Rhythmic Skin Tapping Technique and Vibration Technique on the level of pain during intramuscular injection of benzathine benzylpenicillin among patients with rheumatic heart disease in selected hospital, Delhi.”

(Author, Ms. Agnes Stilvenson; year 2015; Guide, Dr.(Mrs.) Harinderjeet Goyal & Ms. Daisy Thomas)

“A Study to Evaluate the Effectiveness of Health Care Package on Kangaroo Mother Care for Low Birth Weight Babies in Terms of Knowledge, Practice of the postnatal Mother and Weight Gain in Low Birth Weight Babies in Selected Hospital of Delhi.”

(Author: Ms. Asha Varghese; year: 2015; Guide Dr. (Mrs.) Molly Babu & Mrs Sunita Patney)

“An Experimental Study to Evaluate the Effectiveness of Cabbage Leaves application on Breast Engorgement In terms of Discomfort, Pain and Breastfeeding Practice of Postnatal Mothers in Selected Hospital at Chhattisgarh.”

(Author: Ms. Binita Ekka; year 2015; Guide Mrs. Santosh Mehta & Dr.(Mrs.) Molly Babu)

“A Study to Assess the Prevalence of Menopause Related Health Issues and Coping Strategies among Women with a View to develop and Evaluate the Effectiveness of Information Booklet in terms of Knowledge in Selected Area of Delhi.”

(Author: Ms. Amita Kindo; year 2015; Guide; Mrs. O. K. Kathruia & Mrs. Sharda Rastogi)

“An Explanatory Survey to Assess the Prevalence and High Risk Women of Cervical Cancer with a View to Develop and Evaluate the Effectiveness of Planned Teaching Program in Terms of Knowledge, Attitude and Practice Regarding Prevention and Early Detection of Cervical Cancer Among Women of Selected Rural Community of Nepal.”

(Author: Ms. Dejina Thapa; year 2015; Guide; Mrs. Santosh Mehta & Dr. (Mrs.) Harinderjeet Goyal)

Library Development

Though the existing library in the College is up to the mark. But, Government of India, Ministry of Health and Family has decided to make this College a 'Centre of Excellence in the field of Nursing. Sufficient funds for the purpose have already been released by the Government of India and construction of new buildings, having a provision of fully automated library, in the existing college campus will start very soon i.e. after fulfilling requisite formalities of inviting tenders for the same by the concerned agency.

Conferences Organized/Attended

Two workshops were organized “Administrator Leading The Way: A Holistic View of Excellence” and “Academic: Practice partnership – Fuel Future Success”.

Faculty Strength: Permanent/Temporary/Ad-hoc - 35

Financial Allocation and Utilization

Grant sanction in Rs. (in Thousands)	:Non-Plan=70900	Plan= 19300
Utilized in Rs. (in Thousands)	:Non-Plan= 69501	Plan= 14271

Extension and Outreach work

a) Number of camps organized in the surrounding areas.	:	04
b) Number of people enrolled/covered in the camps.	:	604
c) Number of students who worked in the camps	:	52
d) Total number of hours dedicated to these camps	:	16

Journal subscribed

Number of international journals subscribed (online+paper back version) :	19
Number of National journals subscribed (online + paper back version) :	01

RAM LAL ANAND COLLEGE

Activities and Achievements

This year, the College organized a grand Fest ‘BUZZ’ the two-day Annual College Fest in the month of April. The inter-College finale of various events was held in this festival. Punjabi singer Mica Singh also performed in the festival which was witnessed by as many as 10,000 students. Prizes were given to Inter-College winners and apart from small prizes in kinds by various sponsors were given.

Outstanding Honours/Distinctions

Two students of this College were awarded by the University.

Research Projects

Innovation Projects:-	RLA 201	4,50,000/-
	RLA 202	6,00,000/-
	RLA 203	5,00,000/-
	RLA 204	3,00,000/-
	RLA 205	7,00,000/-
	RLA 206	5,00,000/-
	RLA 208	3,50,000/-

Library Development

Total Budget :	8,80,000/-
Books added :	1281

Faculty Strength: Permanent/Temporary/Ad hoc - 80

Financial Allocation and Utilization

Grant sanction in Rs. 146870000.00

Utilized in Rs. 75215000.00

Placements details:

Number of students getting successful placements : 50

Number of Companies / Industries coming for campus 5-6 Recruitment

Journals subscribed

Number of National Journals subscribed (online + paper back version) : 52+14 Newspapers

RAM LAL ANAND COLLEGE (EVENING) (ARYABHATTA COLLEGE)

Activities and Achievements

During the Antardhvani Festival of the Delhi University, the Vice Chancellor of the University of Edinburgh (U.K), and the Vice Chancellor of the University of Melbourne (Australia) interacted with principals of Delhi colleges and discussed the possibility of Aryabhata College being a part of collaborative programmes.

Dr. Narender Kumar, Associate Professor in Mathematics received “Teachers Excellence Award” on the occasion of Foundation Day (01.05.2014), University of Delhi.

Research Projects

Report of UGC major research project on impact of NREGA Punjab, a study based on a survey of 3 districts. This project was handled by Shri Harish Dhawan, Associate Professor in Economics jointly with Dr. S.C Sharma, Retd. Principal of this college who was the Principal Investigator.

Dr. C S Dash, Associate Prof. in Commerce (HRM) has Developed 3 Innovative Methods of Teaching. He has also Developed 4 Innovative Methods of students assessment and management software.

Library Development

1675 books were added to the library collection during the year. Thirty magazines and research journals and twelve newspapers are subscribed in the library.

Publications

Rai, Pardeep and Dharam Kumar, Eds. *Library & Information Science in Changing Perspective*, New Delhi : Book Age, 2015.

Chakravarty, Suvojit Lahiri, Interest rate channel of monetary transmission – The Indian Experience, PRAGATI : *Journal of Indian Economy*, Jan – June, 2015.

Devender Singh, 'Robert Browning : The Poet of Hope and Vigour ' in Sinha, Rosy, *Victorian Poetry : a critical edition*, New Delhi : Book Age, 2015.

Devender Singh, 'Grammar and its testing', *National Journal of Extensive Education and interdisciplinary research*, Vol.2 (III), July-September, 2014.

Conferences Organized/Attended

Dr. Surajit Deb presented a paper titled : " Government Forms and Political Unrest : Lessons from the Recent Episodes in Middle East", at the 17th World Congress of the International Economics Association (IEA), organized by Columbia University Middle East Research Centre (CUMERC), Institute for New Economic Thinking and Centre for International Governance Innovation (CIGI), held in Dead Sea, Jordan, during June 6-10,2014.

Presented a paper titled: " Can Economic Growth Transform into Human Capabilites in India?" at the 33rd General Conference of the International Association for Research in Income and Wealth (IARIW), held in Rotterdam, Netherlands, during 24-30 August, 2014.

Presented a paper titled: " Gap between GDP and HDI : Are the Rich Country Experiences Different from the Poor" at the organization for Economics Cooperation and Development (OECD) Headquater, Paris during April 16-17, 2015 for the special Conference : " Whither the SNA", Session 1.

Dr. Satish Kumar Jha, presented a paper on Democratic Decentralization in India at a national Seminar organized on 26 September, 2014 and 27 September, 2014 at Vikram University, Ujjain.

Faculty Strength: Permanent - 41; Ad-hoc - 34

Financial Allocation and Utilization

Grant sanction in Rs. : 1183.2 Lakhs

Utilized in Rs. : 1038.4 Lakhs

Placement Details

Number of students getting successful placements	: 05
Number of Companies/Industries coming for campus recruitment	: 04
Number of repeat recruiters	: 01

Extension and Outreach Work

Number of camps organized in the surrounding areas	: 02
Number of people enrolled/covered in the camps	: 63
Number of students who worked in the camps	: 20
Total number of hours dedicated to these camp	: 10 Hrs.

RAMANUJAN COLLEGE

Activities and Achievements

We have added twelve smart class rooms with IT facilities to meet various demands and requirements of the curriculum. The efforts of the Placement Cell and its dedicated student volunteers have led to the recruitment of more than 250 students by industry leaders like Genpact, IBM, TCS and Mango. A new milestone of the Cell has been the opportunity for summer internships offered to first and second year students. Financial assistance of over Rs. 3 Lakhs has been extended to 266 needy and deserving students in the form of fee concession and various scholarships. The Development Fund and Infrastructural Committee has decided to award Scholarship to 10% of the toppers in every course for books. This year an amount of Rs. 1,500 per student was awarded to 138 students for buying books. The Centre for Entrepreneurship in association with the National Institute for Entrepreneurship & Small Business Development (NIESBUD), National Small Industries Corporation (NSIC) and ASSOCHAM has trained more than 500 students in various aspects of entrepreneurship. The Centre for Human Rights studies was established in February 2015, under the aegis of the Department of Political Science, to establish to impart the understanding of human rights, values and duties to the students. The College has also introduced a French Certificate Course in association with French Department, University of Delhi. Department of Psychology student made a “SHONO” application for deaf and dumb persons.

Research Projects

The College is also working on three innovation projects. All the three projects are sponsored by the University of Delhi.

RNC 201-Learning values through community service.

RNC 202-Awareness of consumer rights in contemporary India-A comparative study of backward areas and metropolitan cities.

RNC 203-Comparison of methodology of Mumbai Dabbawalas and courier company.

Library Development

Total Budget:-Rs. 20 Lakhs

Number of books and journals added:- Books-25,000/- and Journals-55

Internet facilities upgraded:- Wi-Fi

Access to E-resources of Delhi University provided.

Publications

Dr. Vibhash Kumar papers published in peer reviewed journals: Kumar, V. (2015). A Model Based Study of Employee Engagement. *International Journal of Applied Ethics*, 3, 41-68. ISSN 23212497

Books/ monographs published: Rajput, N., Kumar, V. , & Arora, S.(2015). Entrepreneurship and Small Business. New Delhi: International Book House P Ltd. ISBN:978-93-83283-29-3

Ms. Isha Gupta published “Borrowed Prosperity: A comparison of the Indian economy between 1997 and 2013”, *Business Analyst*, April issue 2014, ISSN0973-211X.

Mr. Rakesh Singh published “Trends determinant and Macroeconomic effects of Remittances on India”, *Journal of Business Studies*, Forthcoming April 2015 issue.

Dr. Moola Ram published a research paper titled: “Balbir Madhopuri's Changiya Rukh: A Critique of Dalit Identity” in Saroj Kumar Mahananda (ed.) *Dalit Literature: Reading Resistance*. Sangharsh Publication, New Delhi: 2014, ISBN: 978-93-82928-97-3, pp.37-51(Single Author).

Published a research paper titled: “Construction of Social Exclusion: A Study of Language and Literature) on Sundays and other gazetted holidays from 19th October 2014 to 25th January 2015.

Dr. Dinesh Babu P. published an article, “It is a sin to hold a slave under laws like ours: Christian Redemption as Narrative Strategy in Harriet Beecher Stowe's *Uncle Tom's Cabin*”, *New Man International Journal of Multidisciplinary Studies*. 1.5(2014):83-90. ISSN : 2348-1390.

Dr. Sumit Nagpal published a book titled *Economic Disparities and Fiscal Correctives in Federal Countries: India Canada and Australia*, New Delhi: GEN NEXT Publications, 2015, ISBN 978-93-8022-237-0

Dr. Aparajita Mazumdar published an article titled “Ethics in Global Economic Governance: Examining the Ethical Quotient in International Financial Institutions” (2014-2015), *International Journal of Applied Ethics*, Volume 3, pp. 119- 134 [ISSN 2321 – 2497]

Hari K. Sharma published “Beyond Left- Right Paradox”, editorial in Millennium Post, New Delhi: July 3, 2014.

Published “Changing Makeup of Indian Politics”, editorial in Millennium Post, New Delhi: October 29, 2014

Ms. Anamika Rai published a paper titled, “In pursuit of effective schools: From western perspective”, *I-manager's Journal of Educational Psychology*, Vol. 7, No. 4, pp. 41-49, February 2014

Dr. Sachin Tomer published Research Paper: Singh, B., Tomer, S. (2014), “Inferences on the Competing Risk Model”, *Journal of Statistics Applications & Probability*, Vol. 3, No. 3, pp. 433-449.

Dr. Z.A. Abbasi published a book titled *Sahir Ludhianvi Shakhshiyat Aur Fun*, funded by National Council for Promotion of Urdu Language(NCPUL), Ministry of Human Resource Development, Government of India, New Delhi, 2015 [ISBN 978-81-8042-316-1]

Published an article titled “Transformation, Freedom or Exploitation?”, *International Journal of Applied Ethics*, Volume 3, pp. 1750-182 (2014-15) [ISSN 2321 – 2497] Participated in 4-week Orientation.

Conferences Organized/Attended

Two days National Conference on the topic “Contemporary Narratives of Subversions” on 20th - 21st March, 2015 was organized by Department of English in the college campus. The conference was sponsored by the UGC.

Commerce Department of the college has successfully organized two days Faculty Development Programme on November, 20 – 21, 2014 in the college campus on the topic Research Methodology & Statistical Analysis with SPSS. This programme was specifically conceived to sensitize the faculty

members about the basics of research methodology, an area where the researchers should have a sound base.

Department of Mathematics, Statistics and Computer Science has successfully organized two days Faculty Development Programme on 31st October – 01st November, 2014 in the college activity room on the topic “Computational Mathematical and Statistical Techniques”.

Faculty Strength: Permanent - 44; Ad-hoc - 22; Guest - 31

Financial Allocation and Utilization

Total Grant sanction	:	Rs. 18,43,87,000.00
Utilized	:	Rs. 14,86,81,559.00

Placement Details

Number of students getting successful placements	:	185
Number of Companies/Industries coming for campus recruitment	:	06
Number of repeat recruiters	:	33

Number and name of Domestic/International (MoUs) signed with partners

In collaboration with Bombay Stock Exchange and the National Skill Development Council, a program to enhance students' awareness in Stock Exchange Operations was organized.

Extension and Outreach work

NSS volunteers visited the Hope project, an internationally funded NGO, to understand the working and the target group they have been working for. Daan Utsav or the “Joy of Giving” week was celebrated in the activity week, October 8-15. It was a 7 day event each day was dedicated to different types of donation.

12 NSS volunteers were sent to attend the competition at NSS, IIT, Roorkee. Ramanujan College stood first in Carpe Diem and Strokes winning cash prizes of an aggregate of Rs. 6000/- . Street Play unit of the NSS won the third prize in inter-college competition at Antardhvani 2015 cultural fest of the University.

Journals Subscribed

Number of International Journal and National Journal (Online)- Approximately 4,000.
Number of National Journals- 5

RAMJAS COLLEGE

Activities and Achievements

The College has large number of achievements to its credit for the academic session 2014-2015 on all fronts-- in academics, ECAC, Sports, National and International events. The bright students of the College won laurels. The impressive community area in the College called Student Activity Centre was always full of lively events. The Extra Curricular Activities during the academic session 2014-2015 are exemplary.

Research Projects

Report of DBT Star College Project: DBT Star College Project was sanctioned to our College by the Department of Biotechnology (DBT), Govt. of India in 2011. Initially, this project was sanctioned

for a period of three years but now it has been extended for another two years based on our performance in the previous years.

During the past three years of the project, our laboratories are being upgraded by adding several instruments, glassware and specialized chemicals. These have permitted the students to perform experiments that were not possible earlier. Because of this project, all science departments have join hands to implement intra-disciplinary projects to further enhance skills of undergraduate students. Additionally, several workshops, educational excursions to premiere laboratories and industries, debate, painting and power-point presentation competitions are being organized by all the departments.

Innovation Project, University of Delhi: The College received 6 Innovation Projects from University of Delhi which involves 60 students in Research activities under the guidance of eminent teachers from various departments of our College. The work was exhibited in the Innovation Plaza during Antradhvani, University of Delhi, 2015 and got certificate of appreciation for best display under the theme, “Environmental Issues”.

Publications

Anil Kumar Nain, Sana Ansari and Anwar Ali

Densities, refractive indices, ultrasonic speeds and excess properties of acetonitrile + poly (ethylene glycol)s binary mixture at temperatures from 298.15 to 313.15k.

Journal of Solution Chemistry springer, 43, 1032-1054 (2014)

Faculty Strength: Permanent - 112; Temporary:1; Ad-hoc - 120

Financial Allocation and Utilization

Grant Sanction in Rs. 41,47,36000.

Utilized in Rs. 38,75,94046.

Placement Details

50 Students were placed in various companies/industries through Ramjas College placement cell and around 15 companies/industries like Deloitte, EY, KPMG, PWC, Wipro Technologies, Genpact, NIIT, L&T Constructions, NODWIN Groups, EDU Tool etc. comes to the College in every semester to hire their professionals.

Name of (MoUs) signed:

Science Setu Program - Recently MOU for implementing the Science Setu Program between the National Institute of Immunology and Ramjas College was signed on 26th March, 2015. This programme will help the students to explore, learn and interact with eminent Scientist and visit various Laboratories of the NII.

Student numbers under exchange programme:

Jenesys, 2015 - 8 students from various Science departments were sent to Japan under Jenesys – A new youth exchange programme between Japan and India.

SATYAWATI COLLEGE

Activities and Achievements

The College was successful in expanding its infrastructure on a massive scale with 2 additional class rooms, well developed Basket Ball Court and Volley Ball Court, two lecture theaters, 35 tutorial rooms, computer labs, besides also ensuring access to Wi-Fi enable computer for every student. P.M. Rally camp was held from Jan 16th – 28th, 2015 in which 2 cadets from our college participated. Antradhvani a University of Delhi fest was organized from Feb.20th-22nd, 2014 in which Cadets of our college activity took part. Gyanodaya Education Tour to Punjab was organized by University of Delhi from Sep, 28 to Oct, 05, 2014 in which 12 cadets of our College took part.

Library Development

Total Budget	:	Rs. 10, 12,500/-
Number of books	:	1498
New paper, Magazine & Journals	:	49

Publications

Research work

Dr. Monika Mehta had her first book title “Generalized Convexity: Nonsmooth Variational Inequalities and Nonsmooth Optimization” published by CRC press.

Research and publication work

Dr Tarun Kumar Garg had published a research paper title: “Markov modeling and reliability “analysis of urea synthesis system of a fertilizer plant in Industrial Engineering International in 10 December, 2014.

Dr. Mukesh Kumar had published a research paper title: “Fascism In India: Hypothesizing A Dalit Perspective” analysis of chapter in the book entitled ‘Fascism In India’ edited by Chaitanya Krishna in Delhi, 2003.

Placement Details

Number of Student getting successful placement	:	137
Number of Companies/Industries coming for campus recruitment	:	5
Number of repeat recruitments	:	1

Extension and Outreach work

Number of camp organized in surrounding area	:	6
Number of people enrolled / covers in the camp	:	400
Number of students who worked in the camp	:	110
Total number of hours dedicated to these camps	:	90

SATYAWATI COLLEGE (EVENING)

Activities and Achievements

Satyawati Memorial Programme and Exhibition was organized. Padmashree Rambahadur Rai, renowned Educationist and Journalist, delivered a lecture, on “Know your Constitution”.

Health consciousness was promoted in the college through Health Check-up and Blood Donation campus organized in association with Rotary Club and MAX Hospital.

The NCC unit gave a performance of its demonstrative combat action presentation in “Antardhvani 2015”

Research Projects

Project (Code: SCE-202) titled “The Role of NGOs and NCLPs in rehabilitation of child labour: A case study of Aligarh (U.P.)”

Project (Code: SCE-203) titled “Girl Child in Education for all: a comparative study of Lalitpur and Lucknow”.

Project (Code: SCE-204) titled “Assessing poverty and health rights of Handloom Weavers in Western Uttar Pradesh – an Historical Analysis’.

Library Development

The college Library has added 3244 new books on varied subjects to its collection. The library subscribes to 6 journals of various disciplines, 28 magazines and 26 news papers.

Publications

Mittal, P., Sharma, J.G., Singh, S.P. and Chakrabarti R., Impact of Temperature Gradient on the Indian Major Carp Catla catla Larvae, Proceedings of the National Academy of Sciences, India Section B:Biological Sciences, DOI 10.1007/s40011-014-0419-3, ISSN:0369-8211.

Mittal, P., Challenges in Managing the Blood Supply Chain, from Donor to Patient together with the Hospital, Journal of Business Management and Information Systems, Vol I (1), pp. 37-47, ISSN:2394-3130.

Conferences Organized/Attended

National

Dr. Rajiv Kumar Verma, Associate Professor, Department of History presented a paper titled ‘Dwindling Handloom, Sinking Weavers in Western Uttar Pradesh: A Case Study of Pilkhuwa and Amroha’, at a National Seminar held on 21 Nov. 2014 in the college. He also presented a paper titled ‘Development of Solar Energy in India-Potential and Prospects, in the International Conference on NRE organized by Shyamlal College (Evening), held at Constitution Club of India, New Delhi on January 13-14, 2015.

Dr. R.K. Sarin, Assistant Professor in the Department of Political Science presented a paper on January 24, 2015 titled ‘Music, Musical Therapy and the Persons with Visual Impairment’ in a seminar organized by the Society for Disability and Rehabilitation Studies.

Mr. Rajendra Prasad, Librarian presented a paper titled: “Handloom among Bhotia Tribes of Utrakhand” at the National Seminar of Delhi University Innovative Research Project SCE 204 held in Satyawati College (Evening) in November 2014.

International

Dr. Shiba C. Panda, presented a paper titled: “Entrepreneurial Supply among the Underprivileged Class in the State of Odisha.” At Global Business Sustainability Conference held at Saginaw Valley State University, Michigan, U.S.A. in September 2014.

Dr. Rameshwar Singh, presented a paper (Co-author Rimjhim Singh) titled ‘Sport and Anti Sport: Big Game Hunting in Jim Corbett’s India’ at the Third Global Interdisciplinary Conference on Sport, held at Mansfield College, Oxford (England) from 30 August 2014 to 1 September 2014. This paper is going to be published shortly in the Sport E Book to be brought out by the Inter Disciplinary Press (Oxford).

Tarakeshwari Negi, presented a paper on ‘The Movements and Policy formulation: A comparative analysis of anti-apartheid movement of South Africa and Dalit Movement of India’ in an International conference on “India and Africa: Developmental Experiences Bilateral Cooperation”, held in Wolkite University, Ethiopia organized jointly by Jawaharlal Nehru University and Wolkite University of Ethiopia on 8-9 December, 2014.

Dr. Prabhat Mittal, presented two research papers at International Conferences: Bullwhip Analysis in Supply Chain with Demand Forecasting, Biennial Supply Chain Management Conference 2014, IIM Bangalore, Dec 2014 and Cross-Market Linkages between U.S. and Indian Gold Futures Trading with Asymmetric Power of GARCH, 4th India Finance Conference 2014, IIM Bangalore, Dec 2014.

CAMPUS OF OPEN LEARNING

“Digital Learning” was organized at COL, Keshav Puram (17th-19th March, 2015) under D-LITE Project. Twenty teachers from colleges of University of Delhi participated in learning more about Web 2.0 tools and other methods of improving upon the course delivery. “Four Digital Learning Champions” were selected among this group, to travel to Edinburgh College for further training.

Under the Electronic Gaming Project, a team of teachers and students from colleges/Centres of University, has been selected to attend a workshop on “Microsoft Touch Develop”; to be held during July, 2015, at West College, Scotland.”

International Conferences/Workshops

During 26th June-5th July,2014; a workshop was organized at Edinburgh College under D LITE Project when Prof. C.S. Dubey, Director, COL visited Edinburgh College along with Dr. Mamta Bhatia, OSD, COL, Keshav Puram and three teachers selected as “ Digital Literacy Champions”.

In the series of activities under D- LITE Project, the team from Edinburgh College visited COL and workshop was organized at COL, KeshavPuram (17th-19th March,2015). Twenty teachers from colleges participated to learn web 2.0 Tools and other methods of improving course delivery. Again, “Four Digital Literacy Champions” were selected among this group to travel to Edinburgh College for further training.

Under the Gaming Project, a team of students and teachers has been selected to travel to West College, Scotland , to attend the Microsoft Touch Develop workshop organized in July,2015.

SCHOOL OF OPEN LEARNING

Activities and Achievements

The admissions for all Undergraduate (Honours) programmes for the academic year 2014-2015 (I, II and III year) were made online. However, admissions for B.A./B.Com. Programme (I) year were also done offline through the IDBI branches scattered all over Delhi and online.

Issuance of I-Card/Hall tickets and Demand-Cum-Examination Form for all Honours courses were made online. Demand-Cum-Examination Form for B.A/B.Com II and III year students of UG Programmes were issued online and also got submitted online as well as offline.

About 30 Study Centres of SOL were established in different colleges of the University of Delhi for conducting Personal Contact Programme classes of U.G. Programmes.

Honours/Awards

Dr. Anil Kumar Aneja, Associate Professor, Department of English, SOL who is presently on deputation to University of Delhi, has been awarded for “National Award for the Empowerment for Persons with Disabilities” by the Government of India in the month of December, 2014.

Library Development

Total Budget	:	58 Lacs
Books added	:	9,582

Journals subscribed:

No. of International Journals	:	03 Nos.
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Subscribed (Paper back version only)

No. of National Journals	:	11 Nos.
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Subscribed (Paper back version only)

Publications

International Publications

Pandey U S “An Efficient Route Repairing Technique of Adv Protocol in Manet” published in Advanced Computing, Networking and Informatics- Volume 2 Smart Innovation, Systems and Technologies Volume 28, 2014, pp 113-121.

Prateek Jain, Pandey U S “ A New Era of Research & Development :Cloud Computing” published in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4: Issue 12, December 2014 ISSN : 2277 128X.

Swati Oberio, Pandey U.S., “ M-Commerce: Framework and its security Issues” Published in proceedings of International Conference on Computer Science & Information Technology : Trends, Challenges and Issues (CSIT-TCI 2015) t” on 30-31st January 2015 at RDIAS(Affiliated to GGSIP University), New Delhi P.P 1-6, ISBN: 9789384869120.

Prateek jain, Pandey U S “Prioritized Service Scheme with QOS provisioning in Cloud Computing System” published in International Journal on Recent and Innovation Trends in Computing and Communication, Volume34: Issue 2,February 2015 ISSN : 23218169 654-661.

Ashima Hasti, Pandey U.S., “ Analysis of Performance of Multitasking Routing Protocol MAODV for QoS Parameters Using NS2” Published in proceedings of International Conference on Computing for Sustainable Global Development on 11-13th March, 2015 at BVICAM (Affiliated to GGSIP University), New Delhi P.P 627-630, ISBN: 9789380544151, ISSN- 09737529 .

SHAHEED BHAGAT SINGH COLLEGE

Activities and Achievements

A two-day National Seminar on the theme “Sanskriti: Satta Aur Swadhinta”, on 8th & 9th February, 2015 was organized at India International Centre, New Delhi.

A National Conference on “Smart Cities: Challenges and Vision Ahead” on 6th April, 2015 was organized at India International Centre, New Delhi.

An International Seminar on the topic of Federalism and Governance in a Globalising World: Issues and Challenges on 4th and 5th February, 2015 was organized at India International Centre, New Delhi. The seminar was sponsored by the Indian Council of Social Science Research (ICSSR).

Honours/Distinctions

Dr. Suman Bala, Associate Professor in the Department of English has been honored for her contribution to English Studies with a prestigious award at the 59th All India English Teachers' Conference held at Kota, Rajasthan, from 19th to 21st December 2014. Her book on the diaspora writer *Chitra Divakaruni* is set for release in mid-April.

Dr. Nilanjana Mukherjee's research paper "*Drawing Roads/Building Empire*" was published in South Asia: The Journal of South Asian Studies, Routledge, Taylor and Francis in May, 2014. This paper was awarded the distinguished Meenakshi Mukherjee Memorial Prize at the annual convention of Indian Association of Commonwealth Literature and Language Studies held at BITS, Pillani, (Goa Campus). She also received the Teachers' Travel Grant from the University Grants Commission to travel to Sydney in order to present her paper, "*Colonial Gaze/Ocular Space*" at the DNS XV Conference held in the University of Sydney, Australia. She also presented a paper "From Celtic Fringes to Himalayan Highlands" at the IACLALS Conference held in February, 2015.

Research Projects

Dr. V.A.V. Raman, Associate Professor in the Department of Geography completed two-year major Research Project entitled "*Impact of physical variability on land use transformation in the interflaves of Ghaghara-Gandak and Karamnasa-Son rivers in Bihar, India*" from University Grants Commission (2012-14).

Dr. Vishwa Raj Sharma, Assistant Professor in the Department of Geography completed a research project titled "*Emerging Mega Regions and Socio-Economic Developments in Contemporary India: A Study of Delhi Mega Region*", sponsored by Hiroshima University, Japan and is currently working on another research project "*Monitoring and Modelling Socio-Economic Impact of Land Use/Cover and Pollution along River Yamuna in Delhi*", being sponsored by University Of Delhi.

Dr. Sunil Tewari, Department of Hindi and Dr. Pravin Kumar Jha, Department of Political Science completed an innovation project on “*Influence Of Electronic Media On Print Media: In The Context Of Editorial Page*” approved by the University of Delhi.

Dr. K.B. Veio Pou, Department of English completed an innovation project titled “*Understanding Culture and Language: Bridging the Gap between the Northeast Students and Delhi City*” approved by University of Delhi. The research paper has also been selected for publication in the Delhi University Journal of Research and Innovation. Dr. Suraj Mal, Department of Geography and Dr. Kedar Prasad Meena, Department of Hindi were co-supervisors of the project.

Library development

Total Budget	:	18,55,000/-
Number of books and journals added	:	2900

Publications

College published Journal of Business Studies (ISSN: 0975-0150), Volume: VII 2014-15.

Conferences attended

International

Ms. Ruchi Gupta Presented a paper titled “*Surrogate Advertising in India: Concept and Regulatory Measures*” at the 12th Annual International Conference on Management and Marketing, organized by Athens Institute for Education and Research, from 30th June 2014 to 3rd July, 2014 in Athens, Greece. The paper has also been published in the conference paper series.

Dr. Vishwa Raj Sharma Presented a paper titled “*Monitoring and Modeling Socio-Economic Impact of Land Use/Cover and Pollution along Yamuna River, Delhi*” in the International Geographical Union (IGU) Regional Conference, held during 18th to 22nd August 2014 in Krakow, Poland.

He also presented a paper titled “*Industrial Development and Urban Environment in Agra Metropolitan City*” in the International Geographical Union (IGU) Regional Conference, held during 18th to 22nd August 2014, Krakow, Poland.

National

Dr. Amit Kumar Singh Presented a paper titled “*Are FIIs Astute or Market Moulds them: A study w.r.t National Stock Exchange*” in the 67th All India Commerce Conference of the Indian Commerce Association organized by KIIT University , Bhubaneswar in Association with Department of Commerce, Utkal University, Bhubaneswar from 27th to 29th December,2014.

He also presented a paper titled “*Impact Of Terrorism And Terrorist Attacks On Tourism Industry In India*” in the 7th International Conference organized by Indian Tourism and Hospitality Congress from 6th to 8th February, 2015 at Manali (Himachal Pradesh) (Co-authored)

Dr. Shivani Arora Presented a paper titled “*Social Media-A double -edged sword*” at International Conference on Recent Trends in Engineering, Science and Management, held at Jawaharlal Nehru University (JNU) on March 15th, 2015.

She also presented a paper titled “*Resurgence of E-commerce in India*” at the 4th International Conference on ‘Competency Building Strategies in Business and Technology for Sustainable development’, Salem, Tamil Nadu in February 2015.

Dr. Suneel Kumar Presented paper titled “Impact of Terrorism and Terrorist Attacks on Tourism Industry in India” in the 7th International Conference of Indian Tourism & Hospitality Congress organized by Indian Tourism and Hospitality Congress from 6th to 8th February, 2015 at Manali (Himachal Pradesh), India. (Co-authored).

Dr. Ravi Kant Presented a paper titled “A Study on Transport Industry In India” in the one-day National Seminar organized by University School of Management, Kurukshetra University, Kurukshetra, on 21st March, 2015.

Dr. Rakesh Kumar Presented a paper titled "Service Marketing in India - Challenges & Opportunities" in Indian Commerce Association conference in Odisha in Dec 2014

Ms Neeta Singh presented a paper titled “Alienation and Hybridity in Salman Rushdie’s The Moor’s Last Sigh” at the International Conference on Post-Colonial Literature (January 28-30, 2015) at O. P. Jindal University, Sonapat. She also presented a paper on writer Maria Campbell at Ram Lal Anand College on 27th February, 2015 titled “Feminist Discourse from the Margins: A Study of Half Breed”. Recently, Ms. Singh chaired the session on Literature and Cinema at Shaheed Bhagat Singh College. She was in live conversation with Professor Ira Bhaskar (JNU) and film critic Bhaichand Patel.

Dr. V A V Raman Presented research papers entitled “*Recent Channel Dynamism and its Impact on Spatial Pattern of Land Uses in Middle Ganga Plain*” and co-authored paper entitled “*Exploring Geoecology in Trans-Himalaya: A case study of Lahaul and Spiti District, Himachal Pradesh*” in the 27th Annual Conference of Indian Institute of Geomorphologists (IGI) on ‘Geomorphology and Geospatial Technology in Environment Management and Societal Development’ organized by Department of Geography and Environmental Management and Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, West Bengal (14-17, November 2014).

Presented a co-authored research paper entitled “*Geoheritage and Geotourism in Trans-Himalaya: A case study of Lahaul and Spiti District, Himachal Pradesh*” in the 19th Convention of Indian Geological Congress and International Conference on ‘Climate Change and Natural Resources Development Strategies: Mountain Risks Management and Governance’ organized by IGC Roorkee and Rajiv Gandhi University, Itanagar, Arunachal Pradesh (27-29, November 2014).

Dr. Kavita Arora Presented a paper titled “*Challenge to Identify and Utilize the Indigenous Methods of Tropical Forest Management: A Case Study of Andaman and Nicobar Islands, India*” at Tropical Ecology Congress -2014 organized by School of Environmental Study, JNU and International Tropical Society from 10th to 12th December, 2014.

Presented a co-authored research paper, titled “*Towards Sustainable Community and Institutional Response to Climate Extremes: A Situational Analysis of Institutions, Communities and their Response to Climate Change Induced Disaster in Utrakhand*” at 2nd Global Academic Meeting, GAM 2015 organized by Jawaharlal Nehru University and European Scientific Institute, from 1st to 4th April, 2015

Dr. Vishwa Raj Sharma Presented a paper titled “*Land Use/Cover Change Detection and Pollution along River Yamuna in Delhi*” in the 36th Indian Geography Congress organized by NAGI (National Association of Geographers India) at the University of Rajasthan, Jaipur held during 17-19th Nov. 2014.

Presented a paper titled “*Monitoring and Modeling Socio-Economic Impact of Land Use/Cover and Pollution along Yamuna River, Delhi*” in the International Geographical Union (IGU) Regional Conference, held during 18th to 22nd August 2014 in Krakow, Poland.

SHAHEED BHAGAT SINGH (EVENING)

Activities and Achievements

Ms Nidhi Lakhotra Teacher-in-charge of the department of Political Science, convened ICSSR sponsored National Seminar on the topic “Democracy in the 21st century: prospects and challenges “in India International Centre.

Honours/Distinctions

Dr. S.K. Bandooni awarded trophy to do the work for the upliftment of the remote areas of Uttarakhand by Parvatiya Audyokik Sangh(Hill Industrial Organization), RuDrapur, Uttarakhand, 18 November, 2014.

Dr. V.S. Negi principal Investigator and Winner of the best display Award at Innovation Plaza Antardhvani 2015 at University Stadium, 20th – 22nd February, 2015

Dr. Sabina Pillai Course writer for “Creative Writing Course” in an ongoing project with Wawasan Open University, Malaysia.

Conducted ELT teacher training classes as master trainer for Oxford University Press and Macmillan Publishers at leading schools in Delhi, Rajasthan, Punjab and Himachal Pradesh in 2014-15

Dr. Chandra Shekhar Dubey received “Teaching Excellence Award” as a teacher during the academic session 2013-2014 for courses taught ‘Language, Literature and Creativity” English II(ENGLISH) from University of Delhi on occasion of Foundation Day, May 2014.

His poem “Two Extremes” was displayed in the city of Cobourg, Canada during the winter literary festival on February 15th, 2014 organized by the Poet Laureate, ambassador for the town of Coubourg , Canada. His poems were widely anthologised and reviewed in the year 2014 nationally and internationally.

Research Projects

Innovation project SBSE-201 titled “Religious segregation in residential pattern of Delhi: A Study in measurement, Causes and Consequences” was initiated and completed by the team of researchers and students led by Dr. Ravi Shekhar as Principal Coordinator, Department of Geography.

Innovation Project SBSE-201 titled “Terra Incognita: Mapping and documenting Socio-Economic and Cultural Characteristics of Western Himalayan Borderland Areas of India” with Dr. V. S. Negi as Principal Coordinator, and his team of teachers and students Department of Geography, was awarded at Antardhvani festival of University of Delhi. The project is one of its kinds, exploring unknown terrains in three states of India i.e. Jammu & Kashmir, Himachal Pradesh and Uttarakhand.

Innovation Project SBSE– 203 titled “Innovative Micro Enterprises of the Hinterland: Evidence from their Sustainable Business Models and Practices for Inclusive Growth” was initiated and completed

by the team of researchers and students led by Dr. Rabi Narayan Kar as Principal Coordinator, Department of Commerce.

Publications

Dr. Sabina Pillai published paper “Locating Continuous Professional Development in tertiary level English teachers in India” in “IATEFL 2014 Harrogate, UK, Conference Selections”, 2015 (ISBN 1-901095-64-9).

Dr. C.S. Dubey published a collection of poems titled “Real Resonance, the Unreal Mind”, Sambhabhi Publication, Kolkata, 2015.

Published a short story titled “The Splintered Idol” in Reflections, an international journal (ISSN 0973-46x), xiii, N1, July 2014.

Ms. Kalyanee Rajan published article: “From Classical Canon to Folk: Habib Tanvir’s translation, adaptation and appropriation of Shakespeare’s *A Midsummer Night’s Dream*”, in Journal of Language, Literature and Culture, ISSN: 2348-6520, Peer-reviewed Journal of The Department of English, Assam University, Silchar, Assam. Print. Nov. 2014.

Published article: “Fictionalized Biography of Indira Gandhi: A Close Study of Aandhi (1975)” in The Criterion: An International Journal in English, ISSN: 0976-8165, (Bi- Monthly Refereed and Indexed Open Access E-Journal), Vol. 5, Issue III, 2014.

Conferences attended

International

Dr. S.K. Jain attended the International political science Association(IPSA) conference held at Montreal, Canada from 19-24th July 2014 and presented a paper "Public opinion and Indian Federalism".

Dr. Rabi Narayan Kar delivered a Special Lecture on “Indian Micro Enterprises: Experiences from their Sustainable Business Models” at College of International Management, APU, Japan, Nov, 2014.

International Reviewer for Research Papers in “Revue Organisation Responsable” (ROR) Journal, France.

Ms. Ankita Shree presented a paper on “Nuclear Accidents” at RCSS International Summer Workshop on Nuclear Disarmament, Safety and Stability held at Kalutara, Sri Lanka, 14-26 September 2014.

Dr. V.S. Negi presented a paper Entitled “Dimension of Climate Change Impact on Land and Society in Himalayan : A Study of Indian Himalayas” in International Seminar at Bhadarwah, Jammu and Kashmir on 13-14 October 2014

Mr. Krishna Kumar published a research article titled “*Road Transport and Regional Development: A Case Study of Gaya District*” in the Annals of the National Association of Geographers India (NAGI) Journal, June, 2014.

Dr. Chandra Shekhar Dubey presented a research paper titled “Reimagining Frantz Fanon’s The Wretched of the Earth: Resonance of Colonial Violence, Racial prejudices and Freedom in Ngugi’s A Grain of Wheat” in an International Conference on Fourth World Literature and Culture in Pune on 12th and 14th September, 2014.

Published a research paper titled “ Socio-Psychological Dimensions of Diasporic Consciousness in Jhumpa Lahiri’s Interpreter of Maladies” in “Reflections”, An international referred peered Review journal (ISSN 0973-046X) Vol. XIII& XIV , N1& 2, July, 2014.

Extension and Outreach work

Dr. V.S. Negi conducted field work under “Climate Change and Biodiversity issues in Sikkim, in particular on Glacier retreat and vegetation succession on glacier fore fields and on treeline dynamics” with University of Hamburg, Germany from March 29 to April 03, 2015.

SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

Activities and Achievements

The auditorium of the college was formally inaugurated on 25th September 2014. The distinguished chief guest for the function was Padma Vibhushan Dr. Sonal Mansingh.

College also organized a lecture series by eminent personalities starting from 5th November 2014.

College Robotics lab Abhimanyu Bot was inaugurated on 11th April 2014 by Sh Praveen Prakash, Joint Secretary (TEL) and Mission Director through webcast at IIT Mumbai. This lab has been established under the joint initiative of e-Yantra, IIT Mumbai and CIC, University of Delhi with an aim to motivate students.

Inklings, the Literary Society of the college hosted the Literary Fest ELOQUENTIA’15 on 2nd March 2015. The fest witnessed tremendous participation by students from various college of Delhi and NCR.

The annual Cultural festival of College Karvaan was organized on 11th and 12th March 2015. Various cultural inter college events like group and solo dance, group song, photography, fashion show were performed successfully. Students from different colleges participated in the events. A rock band show by “Char Hazari”, a fusion band was organized on the first day of the event. The fest ended with DJ night.

The college celebrated “National Unity Day” on 31st October 2014 to mark the 139th birth anniversary of Sardar Vallabhbhai Patel.

24th December 2014 witnessed the college celebrating the National Good Governance Day to mark the birthday of former prime minister Shri Atal Bihari Vajpayee and birth anniversary of Pt. Madan Mohan Malviya. As a part of celebration, college organized a seminar on the topic “Use of Technology and Innovation in Good governance”.

Gyanudaya V was organized in the north east India. 10 students of our college were selected for it. The students did a project on “The Naga’s Saturnalia” Festivities and celebrations of Nagaland with special focus on their traditional music and dance.

Honours/Distinctions

Dr. Deepa Joshi, Associate Professor, Department of Food Technology Received meritorious teacher award by the Government of NCT of Delhi for the academic year 2014-15.

Dr. Projes Roy, Librarian awarded infoshare membership award in 2014-2015 from American Society for Information Sciences and Technology, Special Interest Group for International Information Issues (SIG/III).

Research Projects

Dr. Varsha Mehra Sanctioned the Research Project entitled “Isolation and characterization of *Adhatodavasic* constituents for anti mycobacterial activity against *Mycobacterium Smegmatis* and *Mycobacterium bovis* (BCG) in *vitro* and *ex-vivo* within human macrophages” by Department of Science and Technology, (DST) Govt. of India (Rs.20 lakhs)

Dr. Amita Kapoor “Didactic education of computer and communication techniques”, since August 2014 in collaboration with Cisco Systems.

Library Development

The College Library has approximately 16602 books, 11 printed journals and many scientific encyclopedia and periodicals covering all aspect of fundamental science, such as Electronics, Instrumentation, Food Technology, Computers Sciences, Biomedical Sciences, Biology, Biochemistry, Chemistry, Physics, etc.

The Library subscribes to a large number of Electronics Resources through UGC-Infonet and University of Delhi connectivity, Its includes 11 Online Databases on Reference & Citation Sources, 7 online Databases on Bibliographic Sources, 2 Online Databases on Citation Analysis Resources, 5 online Databases on Financial and Statistical Sources, Single databases on Doctoral Theses and 77 online Databases on Full Text Sources. This includes around 43270 e-journals available in the present library with three Wi-Fi computer laboratories consisting of 80 computers i.e. e-Library-1, e-Library-2 and e-Library-3.

The college library is RFID (Radio Frequency Identification system) enabled, which is being used for library housekeeping operation, the system move beyond security to become tracking system that combine security with more efficient tracking of materials throughout the library, including easier and faster charge and discharge, inventorying, material handling and automated book drop kiosk being used for easier return of books. The RFID system included self-circulation desk, staff work station, security gate, book drop box, RFID reader, RFID sticker for Book, RFID enabled member card, SMS and e-mail services in each book transaction.

Publications

Dr. Payal Mago (OSD-Principal) published a research paper entitled, “Commercial Production of Oyster Mushroom” Payal Mago, Isha Gunwal, Lata Singh and Deekshant Awasthi, IOSR Journal of Environmental Science, Technology and Food Technology (IOSR-JESTFT) eISSN:2319-2402, p-ISSN:2319-2399. Volume 8, Issue 6 Ver.III (June-2014), PP 04-09.

Dr. Punita Saxena published a research paper entitled, “Efficiency evaluation of State Transport Undertakings of India using DEA-NN approach” International Journal of Management and Information Technology, Vol. 10, No.5, pp. 2189-2198, 2015.

Dr. Jasjeet Kaur *A novel fluorescent small particle reagent based on eosin B stain for developing latent Fingerprints* in Indian Police Journal, Volume 61, 2014, p. 227-233.

Dr.Varsha Mehra “Antibacterial potential of *Elletaria cardamom*, *Syzgium aromaticum* and *Piper Nigrum*, their synergistic effects and Phytochemical determination” *Journal of Pharmacy Research* 8(8) 1090-1096, 2014.

Ms.Deepali Bajaj “A Review of Multi-Protocol Label Switching: Protocol for Traffic Engineering on Internet” in *International Journal of Computer Trends and Technology (IJCTT)*, Volume 11 number 3, May 2014, ISSN: 2231-2803.

Dr.Indu Arora “Biochemical synthesis of silver nanoparticles and their application in enhancing the shelf life of food products” in 1st International Conference On Emerging Trends Of Nanotechnology In Drug Discovery” organized by Sri Venkateshwara College, University of Delhi.

Dr.Sneha Kabra “Development of e-resource on standard procedure of operation and applications of important electronic devices used by undergraduate science students” Sneha Kabra, Amita Kapoor, Himani Dua, *DU Journal of Undergraduate Research and Innovation*, 2015.

Dr.Manisha Khatri “Synthesis, biological evaluation and molecular docking study of novel piperidine and piperazine derivatives as multi-targeted agents to treat Alzheimer’s disease” in *Bio-organic and Medicinal Chemistry*, (2015), 23(5), 1135-48.

C M Alam, A K Singh, C Sharfuddin, *Safdar Ali* (2014) In silico exploration of thirty alpha virus genomes for analysis of the simple sequence repeats. *Meta Gene* 2:694-705.

Ms.Tanu Bhardwaj “A Review on Immobilization Techniques of Biosensors” has been published in the *International Journal of Engineering Research and Technology (IJERT)*.

Ms.Monika Tyagi “Polymer Nanocomposites and their Applications in Electronics Industry” in *International Journal of Electronic and Electrical Engineering (IJEET)* Vol 7, No.6 pp. 603-608, ISSN 0974-3154.

Conferences Organized

The Department of Instrumentation in collaboration with the Department of Electronics organized a national conference on “Recent Trends in Instrumentation and Electronics” (RTIE-2015) on 5th and 6th January, 2015. The conference was supported by IEEE EDS, Delhi Chapter. It was co-sponsored by UGC, DBT Star College Scheme, and Agmatel.

The Department of Biomedical Sciences organized a national conference on “*Understanding the Mechanism and Challenges of Complex Diseases*” (UMCCD 2014) on 29th and 30th December 2014. The conference was sponsored by DBT star college grant. Prominent Scientists and well-known physicians like Dr. Anoop Misra, Chairman, Fortis, Dr. Shiv Kumar Sarin, Director, ILBS, Dr. Tara Devi S. Ashok, Senior Faculty, University of Massachusetts, Boston USA were the speakers for this conference. It was a well-attended mega event with delegates from over 140 Colleges of University of Delhi, AIIMS, MAMC, UCMS, IGIB, INMAS, and other renowned Institutes and Universities of the country.

The Department of Biomedical Science organized a Workshop on *Bioinformatics — An Interdisciplinary Applied Science* for the students of B.Sc. (H) Biomedical Science, B.Sc. (H) Instrumentation and B.Sc. (H) Food Technology under the aegis of Star College Scheme, Department of Biotechnology, Government of India on February 26-27, 2015.

The Department of Computer Science organized a four-day workshop on PHP and Java Script in association with NIIT, Vivek Vihar from 7th October to 10th October, 2014.

The Department of Food Technology organized a two day in-house training program on “Food Safety Management Systems” was organized in collaboration with Confederation of Indian Industries on 28-29 October 2014.

Conferences Attended

Dr.Sneha Kabra presented the paper titled “E-Learning based approach for teaching experiments in Electronics, in National Conference on Striving and Thriving towards diffusion of student-driven research in Science and Technology for Inspired Learning, organized by Maharaja Agrasen College, University of Delhi from 16-17 October, 2014.

Ms.Urmil Bharti presented a paper on “*Control Library for Testing Object Oriented Software*” (ISBN: 978-93-84224-27-1). Presented in UGC sponsored National Conference on “*Emerging Trends in Computer Science and Information systems*”, organized by Department of Computer Science, Maharaja Agrasen College, University of Delhi held in March 2015.

Dr.Amita Kapoor “Development, use and impact of e-learning based modules for teaching Electronicsto undergraduate girl students”, a case study. Paper presented at IEEE MITE14, International Conference on MOOC’s, Innovation and Technology in Education, December 19-20, 2014.

Placement details

Number of students getting successful placements	:	55
Number of Companies/Industries coming for campus recruitment	:	10
Number of repeat recruiters	:	4

SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES

Activities and Achievements

Foundation Stone for the new campus was laid on November 12, 2014 by Sh. Nitin Gadkari, Minister of Road Transport & Highways and Shipping. Enactus SSCBS was declared the National Winners at the Enactus India National Competition held in Mumbai on July 1 and July 2, 2014. They represented India at the Enactus World Cup held in Beijing, China from October 22 to October 24, 2014 and were placed third in the league round. B.Tech (Computer Science) program has been given AICTE accreditation.

Honours /Distinctions

Dr. Poonam Verma, Principal, Nominated by the Vice Chancellor, University of Delhi, as a Member of the Nodal Advisory Body for UGC proposal for introduction of e-governance in the University system.

Nominated by UGC as a Chairperson of the Expert Committee to evaluate the performance and academic attainments for the extension of autonomous status of Chhatrapati Shahu Institute of Business Education & Research (CSIBER).

Member of the expert committee constituted by UGC to assess the proposals received under the schemes of Bachelor of Vocation (B.Voc.) and Community Colleges (CC).

Dr. Anuja Mathur, Associate Professor, was awarded PhD in December 2014, from the Department of Commerce, Delhi School of Economics, University of Delhi. Her thesis is titled “Market Orientation and its Antecedents and Consequences: A Study of Business Firms”.

Dr. Sameer Anand, Assistant Professor, was awarded Certificate of Appreciation for his valuable efforts as Session Chair in the Conference on Evidence Based Management, 2015 (ICEBM 2015).

Dr. Kumar Bijoy, Assistant Professor in Department of Management Studies was awarded the ‘Best Teacher Award’ for 2014-2015, instituted by Directorate of higher Education, Govt. of NCT, Delhi .

Research Projects

SSCB-201-Title: Predicting the financial crisis of companies based on Cash Flow Statement: An Innovative Approach. (December, 2013 to March, 2015). Mentor: Mr. S.S. Negi, General Manager (Risk Management), State Bank of Patiala. Principal Investigator: Mr. Neeraj Kumar Sehrawat. Team Members (Faculty): Dr. Abhishek Tandon ,Mr. Narander Kumar Nigam.

SSCB-202 Title: Health Insurance Scheme for Domestic Workers – Public Private Partnership (November, 2013 to March, 2015.) Mentor: Prof. Dr. Sunil Jain, Sir Ganga Ram Hospital. Principal Investigator: Dr. Preeti Rajpal Singh. Team Members (Faculty): Dr. H.K. Porwal, Dr. Rohini Singh.

SSCB-203-Title: E-Mentoring in Delhi University (November, 2013 to March, 2015). Mentor: Mr. Sanjay Gupta, Founder and CEO, Mobisolv. Principal Investigator: Dr. Anamika Gupta. Team Members (Faculty): Dr. Kishori Ravi Shankar.

SSCB-204-Title: Financial Inclusion-issues and challenges: An empirical study(Nov, 2013 to March, 2015.) Principal Investigator: Dr. Kumar Bijoy. Team Members (Faculty): Dr. Ajay Jaiswal and Dr. Rishi Rajan Sahay.

Library Development

Total Budget : Rs 3,76,018

Books added : 453

Total number of National and International printed journals: 51

In May 2014, all the library activities have been automated using the Web - based Open Source Solution i.e. KOHA, Internationally renowned Integrated Library Management System.

Publications

Sharma, T., Singh, R. and Porwal, H.K. (2014). Impact of micro finance on living standards, Poverty Alleviation and Empowerment of poor Women in Delhi. International Journal of research in Social Sciences (IJRSS), 4(4), pp. 95-117.

Sehrawat, N. and Kaur, D. (2014). Impact of Harmonisation of Indian GAAP with International Financial Reporting Standards: An Empirical Study of India. 4th India Finance Conference organized BY IIM Ahmedabad, IIM-Bangalore and IIM Calcutta, Bengaluru.

Sahay, R.R. and Bhatia, G. (2014). Characterizations for the set of higher order global strict minimizers. *Journal of Nonlinear and Convex Analysis (Japan)*, 15(6), pp 1293-1301.

Dr. Amrina Kausar attended and presented a paper entitled “Optimal Ordering Policy for Instantaneous Deteriorating Items with Partially Backlogged and Stock Dependent Demand under Two-Warehouse Storage Facility” at the National Conference on Recent Trends and Developments in Statistics (NCRTDS-2015) organized by the Department of Statistics, M.D. University, Rohtak during Feb. 21-23, 2015.

Jaggi, C.K., Yadavalli, V.S.S., Verma, M. and Sharma, A. (2015). An EOQ model with allowable shortage under trade credit in different scenario. *Applied Mathematics and Computation*, 252, pp 541-551.

Mr. Narander Kumar Nigam Presented the paper titled “Behaviour of Implied Volatility in Indian Market: An Empirical Study of Implied Volatility in India” at the FORE International Finance Conference (FIFC), New Delhi and at 9th Yale – Great Lakes Conference, Chennai in 2014.

Yadav, N. (2015). Sustainability Strategy as competitive advantage: An inductive study based on case-studies. 4th Annual International Conference on Sustainability, IIM, Shillong.

Aggarwal, A.G., Nijhawan, N. and Tandon, A. (2015). A Change Point Based Discrete SRGM For A Multi-Release Software System. International Conference on Evidence Based Management (ICEBM), Pilani, Rajasthan.

Kapur, P.K., Aggarwal, A.G., Garmabaki, A. and Tandon, A. (2015). Multi-generational innovation diffusion modeling: A two dimensional approach. *Int. J. Applied Management Science*, 7(1), pp 1-18.

Kumar, K., Kumar, A. (2014). Debt Financing and Personal Tax: An Empirical Study of Indian Inc. *Asian Journal of Research in Business Economics and Management*, 4(5), pp 72-85.

Jain, S. and Nigam, N.K. (2014). Companies Act 2013, A New Wave In Corporate Governance. *Indian Streams Research Journal*, 3.

Jain, S. and Nigam, N.K. (2014). A Study Of Job Satisfaction Of Delhi University Faculty Based On Seniority Of Post. *IOSR Journal of Business & Management*, 15(5), pp 68-76

Jain, S. and Nigam, N.K. (2014). A Gender Based Study of Job Satisfaction Of Delhi University Faculty. *Indian Streams Research Journal*, 3(12).

Joshi, J., Singh, D., Choudhary, A., Gupta, A. (2015) E-Mentoring- A Framework for Alumni Network. CSI Sponsored National Conference on Innovation in IT, Management and Education – Digital India Initiative, Delhi.

Bhambri, L., Sharma, S., Rohilla, H., Gupta, A. (2015). Management Software for an Educational Institute. CSI Sponsored National Conference on Innovation in IT, Management and Education – Digital India Initiative, Delhi.

Anand, S., Jaiswal, A. and Singh, V.B. (2015). A review on complexity of code changes based bug prediction. International conference on evidence based management, Pilani Rajasthan.

Jaiswal, A., Kumar, N. and Agrawal, R.K. (2014). Analysis and Evaluation of Regression Based Methods for Facial Pose Classification. International Journal of Applied Pattern Recognition (accepted for publication).

Arora, S., Gupta, N., Khuller, S., Sabharwal, Y., Singhal, S. (2014). Facility Location with Red- Blue Demands. Operations Research Letters, 42, pp 462-465.

Agarwal, A., Arora, S., Chakaravarthy, V.T. and Sabharwal, Y. (2014). Algorithms for Power-Aware Resource Activation. High Performance Computing, Goa.

Arora, S., Chakaravarthy, V.T., Gupta, K., Gupta, N. and Sabharwal, Y. (2014). Replica Placement on Directed Acyclic Graphs. Foundations of Software Technology and Theoretical Computer Science, Delhi.

‘Replica Placement for Directed Acyclic Graphs’, presented at IRISS (Inter Research Institute Student Seminar) co-located with Association for Computing Machinery, Annual Event 2015

‘Replica Placement via capacitated vertex cover’, presented at Research Scholar Day in Association for Computing Machinery, Annual Event 2014.

Aggarwal, A.G. and Kaur, G. (2015). Internet Marketing with Consumer Balking and Optimal Allocation of Promotional Effort using Genetic Algorithm. International conference on Evidence Based Management, Pilani Rajasthan.

Books/Chapters Published

Dr. Kumar Bijoy, Assistant Professor – Co-authored a book titled “Paradigm Shift in Contemporary Management” with Manoj Sharma, published by Pragati Publications (1st edition, 2014), ISBN 97881-730-7145-4.

Dr. Neetu Yadav, Assistant Professor – co-editor for the chapter titled “Development of Flexible Strategy Game-card: A Case Study” with Prof. Sushil in the book titled “Systemic Flexibility and Business Agility”, published by Springer (2015), ISBN 97881-322-2151-7.

Conferences organized

Convergence’ 14, The Annual National Corporate Convention of the College, was held at V.P. Chest Auditorium, North Campus, University of Delhi, on October 30 and October 31, 2014. The theme for this year’s convention was “Revolution is Evolution”.

Six day Faculty Development Programme on “Financial Econometrics” (October 6 to October 11, 2014).

Eight days Workshop on Android Applications. (September 13, 2014 to September 20, 2014) in Collaboration: NIIT Technologies.

Placement details

Number of students getting successful placements	:	113
Number of Companies/Industries coming for campus recruitment	:	55
Number of repeat recruiters	:	16
Highest package	:	Rs 8.9 Lakh
Average package	:	Rs 5.2 Lakh

Student under Undergraduate inbound/outbound exchange programme

UK-India Education and Research Initiative (UKIERI-2014)- As a part of the initiative 48 students from United Kingdom Universities, such as London School of Economics, University of Edinburgh, Kings College, University College London and University of Manchester among others, visited the college(August 27 to August 29, 2015). Subsequently as part of the UKIERI – SIP (Study India Program) two students of the college will be visiting the United Kingdom in June 2015.

SHIVAJI COLLEGE

Activities and Achievements

The Women's Development Cell, Urjaa, organized its annual Jijabai Women Achievers Awards function around the topic *Gender: Biological or Sociological?: Some Significant Reflections* on 31st March 2015 a book was also released *Empowering Women: the Indian SocioCultural Scenario. Sansrishi*, the book published under the aegis of the WDC, was also released.

The department of History organized a National Seminar on 25th -26th March 2015 on Does History Breathe? Some Perceptions.

The department of Mathematics organized a Science Academies' Lecture workshop on Theory of Equations, funded by Indian Academy of Science, Bangalore, Indian National Science Academy, New Delhi and National Academy of Sciences, Allahabad, from 16th -17th October, 2014.

Honours/Distinctions

Dr. Shashi Nijhawan, Dr. Darshan Malik, Dr. Sunita Singh and Dr. Jayita Thakur were awarded: Best Paper presentation titled Microbial Fuel Cell: Harnessing Bio-energy from Yamuna Water at IC-LIFE International Conference on Life Sciences, Informatics, Food and Environment, organized by Jaypee Institute of Information & Technology, Noida.

Best Poster presentation on Epilepsy at EPICON, the International Conference on Epilepsy at SGTB Khalsa College, 2014.

A certificate of appreciation for Best Display of poster for the Innovation Project Biochemical Assessment of Toxic Heavy Metals in Bacterial Strain growing in the Polluted Water: A step towards Bioremediation under the theme Environmental Issues at Antardhvani 2015.

Dr. Neena Wadehra was awarded a Certificate of Appreciation for Best Display of poster under the theme Scientific Arena at Antardhvani 2015.

Dr. Surbhi Madan and Dr. Pankaj Das were received an award for Best Display and Best Innovative Idea for the Innovation project Real time Traffic Solution at Antardhvani 2015.

Dr. Tejvir Singh Rana received an award for Best Innovative Idea for the Innovation project Rainwater Harvesting at Nagpur, Rajasthan at Antardhvani 2015.

Dr. Aeshna was awarded with the Young Scientist Award by Association of Microbiologists on 13th November, 2014.

Dr. Jitendra Aggarwal received the Teaching Excellence Award by University of Delhi on its foundation day, 1st May 2014.

Dr. Amarjiv Lochan was awarded the International Buddhism Today Award for Outstanding Academic Excellence, Ho Chi Minh City, Vietnam, in November 2014.

Dr. Jyoti Sharma is currently serving as a Visiting Professor in the University of Switzerland since February 2015.

Research Project

The college has below listed Innovation Projects:

Real Time Traffic Solution- SHC 206 .

Drug Design through Molecular Modelling for Selected Targets in Plasmodium falciparum to Combat Drug Resistance against Malaria- SHC 201.

Biochemical Assessment of Toxic Heavy Metals in Bacterial Strain growing in the Polluted Water: A step towards Bioremediation-SHC 203.

“Doing Nothing” -The Invisible Work of Women- SHC 207.

Library Development

Library Budget	:	Rs. 30,22,000/-
Numbers of books added	:	3,101 (2893+207 BBE + 1 Math project)

Conferences Organized/Attended

International

Dr. Amarjiv Lochan delivered the keynote address on *Situating Pride in Regional Culture and Traditions of Southeast Asia: A Boon or Bane?* at an International Conference on Reaffirming The Identity of Asia in Culture, History and Religion organized by Isabela State University, Cauayan, Isabela , Philippine and Philippine Association for the Study of Culture, History and Religion (PASCHR) held during 28th-31st January, 2015.

National

Dr. Tejbir Singh Rana presented a paper titled *Changing Landscape of Rural-Urban Fringe of Delhi* at a two-day National Seminar of UGC-SAP organized by Department of Geography, University of Delhi, 30th March 2014.

Dr. Misha Yadav gave a presentation titled *Lipoxygenase and Associated Lipolytic Activities in Sunflower Cotyledons* in National Seminar on *New Frontiers in Plant Sciences and Biotechnology* organized by the Department of Botany, Goa University, Goa, 29th -30th January 2015. She also won the Best Presenter award for the same.

Mr. Krishna Ram presented a paper titled *Explaining Calorie Consumption Puzzle in India using National and International Data Set since 1990s*, in 9th-11th March 2015, at *CESP-CAS Young Scholar Seminar* organized by Centre for Economic Studies and Planning, JNU.

Publications

Books

Mr. P.R.Chadha has following publications to his credit: Business Law, ISBN no. 81-85898-23-0 and Business and Industrial Law, ISBN no. 81-8218-064 (as author) and Elements of Business Communication, ISBN no. 978-93-81335-57-4 (as co-author)

Mr. Ramesh Malik has co-authored a book titled International Trade, ISBN 978-93-83283-06-4.

Dr. Surender Singh has co-authored a book titled Geography of India published by Access Publishing India, ISBN- 9383454032.

Dr. Darshan Pandey has published a book titled Samkaaleen Rang Chetna aur Naatak Kaar Shankar Shesh, Sanjay Prakashan, New Delhi, ISBN No. 978-81-7453-428-6.

Research articles in books or scholarly journals

Dr. Shashi Nijhawan and Dr. Darshan Malik co-authored the chapter *Empowering Women: The Indian Socio-Cultural Scenario* for the book *Women & Disaster Management*, Pragun Publication, New Delhi. ISBN 978-93-80397-49

Dr. Shashi Nijhawan co-authored a paper *A Comparative Analysis of the Physico-chemical Properties and Heavy Metal Pollution in Three Major Rivers across India in the International Journal of Science and Research*, 2014, Vol. 3(8):1936-1941. ISSN 2319-7706.

Dr. Virender Bhardwaj authored a paper titled *Kabir Kavya ka Gyanatmak Pariprekshya in Vimal Vimarsh*, ISSN 2348-5884.

Dr. Rashmi Wardhan authored a chapter *An Application of Logistics Regression to Study Women Empowerment and Sex Discrimination* for the book *Women & Disaster Management*, 2014, Pragun Publication, New Delhi. ISBN 9789380397498.

Dr. Shama Mitra Chenoy has contributed Chapter 5 titled *Shahjahanabad: A Medieval Indian Experience* in the book *Cities in Medieval India*, edited by Prof. Yogesh Sharma and Prof. Pius Malekandathil, 2014.

Mr. Pankaj Kumar Das published a paper titled *Linear Codes on Solid Bursts and Random Errors in Transactions on Combinatorics*, Vol. 4(2), 45-55, ISSN 2251-8657

Dr. Aparna Jain co-authored a paper titled *Generated Intuitionistic Fuzzy Subgroup, (t, k) Equivalence Relation and Congruence* in the *Annals of Fuzzy Mathematics and Informatics*, Vol. 9 (3), 2015, 489-502, ISSN 2093-9310.

Dr. Kanchan authored an article *Hashiyon Ka Ubhaar : Adivasi Samudaya* in *Samyak Bharat*, ISSN 2277-2553.

Dr. Aeshna Nigam co-authored a paper *Modification of Rifamycin Polyketide Backbone Leads to Improved Activity against Rifampicin –Resistant Mycobacterium tuberculosis* in *Journal of Biological Chemistry*, 2014, Vol. 289 (30), 21142-21152, ISSN 0021-9258.

Ms. Nidhi Sharma co-authored a paper *An Investigation into Notions of Spirituality using Qualitative Research Approach* published in *Primax International Journal of Commerce and Management Research*, Vol. 5, Issue 1, 2015, ISSN 2321-3604.

Placement details

Number of students getting successful placements- 218
Number of Companies/Industries coming for campus recruitment- 06
Number of repeat recruiters -03

Extension and Outreach Work

Number of camps organized in the surrounding areas- 01
Number of people enrolled/covered in the camps- 100
Number of students who worked in the camps- 35
Total number of hours dedicated to these camps- 3 hours

Journals subscribed

Number of National journals subscribed (online+ paper- back version)- 6000 E-journals

SHRI RAM COLLEGE OF COMMERCE

Activities and Achievements

The college celebrated its 89th Annual Day on March 27, 2015. The students union and other students' societies of the college organized their annual festival and programmes. Crossroads, Biz Street, Odyssey, Ecstasy, Ethnic Freshers, Histrionica, Artisia, Zephyr, etc. were the programmes that attracted students in large number. The students of PG programmes in GBO organized three annual summits on Human Resource, Finance & Marketing.

The College organized international conferences at Cardiff, UK; Saginaw, Michigan, USA; and Windhoek, Namibia. In addition, academic collaborative programmes were also organized with Pennsylvania State University, USA, Utrecht Business School, Netherlands, and University of Wisconsin, USA.

Swachhh Bharat Abhiyaan on October 2, 2014, Rashtriya Ekta Diwas on October 31, 2014 and Good Governance Day on December 24, 2014 were celebrated at the College.

Honours/Distinctions

Mr. Narain Prasad, Chairman (Governing Body), Indraparastha College for Women, & Mr. Sanjeev Chopra, Principal Secretary, Industries (Govt. of Odisha) has been awarded to Alumni Award for Excellence.

Research Projects

Dr. Anil Kumar, project Titled – *“Corporate Social Responsibility: Initiative, Implementation Strategies and Impact Analysis”* The Project was awarded by the University of Delhi wherein initiates and impact of CSR activities of few companies were studied by primarily field surveys.

Dr. R.K. Singh, project Titled - *“Personality Profiling –Human Computer Interface”* The Project examined the effect of digital indulgence on the personality factors of creativity and critical thinking on young students. The project is funded by University of Delhi.

Mr. Soumitra K. Choudhury, project Titled – *“Understanding Indian Family Business – A Narrative approach through Oral Accounts”* project is funded by University of Delhi.

Dr. Abhay Kumar , project Titled – “*Azmat : Repossessing Respect*”. The Project is an innovation project of the University of Delhi. Project aims at rehabilitating manual scavengers by providing them with an alternate sustainable livelihood. This project got Teaching Excellence Award for Innovation by University of Delhi on 93rd Foundation Day.

Library Development

Library has digitized its collection through RFID technology using LSmart technology and currently using Libsys version 7.0 software. An Archive Unit has been started to preserve primary as well as secondary source of information. A resource unit for the differently-abled students and faculty has been started.

Publications

Book authored by Mr. Bhushan Kumar Goyal titled “ Basic Financial Accounting” published in July, 2014 by International Book House.

Paper published by Dr. Kuljeet Kaur in Gram Vikas Jyoti Patrika titled Vartamn Samay Mai "Swasthya awom Vyayam" was printed in April-June, 2014 issue.

Paper presented by Dr. Mallika Kumar titled "Sustainability: An intrinsic nature of Cooperative Business Model" on September 24, 2014 at International Conference on 'Global Business Sustainability' in SVSU Michigan, USA.

Paper published by Ms. Kanchan Sehrawat titled "Rural Market in India: A treasure Chest" published in International Business Journal in August 2014, issue 8, page no. 6-22.

Paper presented by Ms. Priyanka Aggarwal titled "Green-washing: The Darker Side of CSR" published in Indian Journal of Applied Research, Vol 4, Issue 3, on March 2014.

Conferences Organized/Attended

Paper Presented by Mr. Nawang Gialchhen titled "FDI in India: Trends and Issues" on March 28-29, 2014 at National Seminar on Foreign Direct Investment, HPU-Shimla.

Paper presented by Ms. Astha Dewan titled "Dealing with Cultural Conflicts and HR issues in Mergers & Acquisitions" at the National Seminar on "Linking Human Resources with Business Strategies", organized by Jesus & Mary College, D.U. on March 26-27, 2014.

International

At Cardiff, Wales, (UK), on ‘Corporate Governance’ with Cardiff Business School.

At Saginaw (Michigan, USA), on ‘the Global Business Sustainability’, in collaboration with Saginaw Valley State University.

At Windhoek (Namibia) on ‘Business and Finance’ in collaboration with University of Namibia.

Placement Details

Number of students getting successful placements About 300

Number of Companies/Industries coming for campus recruitment About 54

Number of repeat recruiters 36

Number & name of Domestic/International(MoUs) signed with partners

With Indian/Foreign Universities MoU was signed with the Metropolitan College of New York, US.

Extension and Outreach Work

Number of camps organized in the surrounding areas. By ENACTUS wing of SRCC Shadipur, Delhi Nekpur, Ghaziabad, Uttar Pradesh Karnal, Haryana

Number of people enrolled/covered in the camps 52 Members of different communities impacted.

Number of students who worked in the camps 70 Students are part of this outreach project.
Total number of hours dedicated to these camps 3,200 hours annually

Journals subscribed

Number of international journals subscribed	:	13
Number of National Journals subscribed	:	22

SHYAM LAL COLLEGE**Activities and Achievements**

The College Dance Troupe Rising Stars has received 2nd Prize under the theme of Women Empowerment in the Group Dance Competition at Antardhvani, University Annual Cultural Festival 2014. Our students have also received various prizes in competitions such as Debate, Music Band, Solo Singing etc. A number of 24 students participated in the painting Competition which was highly appreciated. The performance of College Street Play group was also appreciated. Another Street Theatre performance titled *Bandariya* was held at various Metro stations inviting audience towards the issue of sexual harassment. Members of *Insignia*, SLC Music Band, have performed at various external cultural events and won prizes in quite a few.

Honours/Distinctions

The 4th Edition of the Padmashree Shyam Lal Gupta Memorial Invitational Hockey Tournament (Men & Women) was successfully hosted by the College from 23rd February 2015 to 28th February 2015. The College Hockey Team (Men) won the Trophy and Jesus and Mary College won in the Women's Category. The event is a unique one in the University and is probably the only such Hockey Tournament being organized by the College successfully every year.

Research Projects

Innovation Projects of the University of Delhi.

Delhi Vishvavidyalaya mein adhyayanrat pravasi vidhyarthi: samasyayen aur sambhavnayen by Sh. Sanjay Kumar, Dr. Samrendra Kumar and Sh. Amithabh Kumar.

Delhi Haat ka aarthik aur saanskritik adhayan by Dr. Pravin Kumar, Dr. Raj Kumar Prasad and Ms. Supriti Mishra.

Library Development

Total Budget	:	Rs. 5,90,572/-
No. of Books added	:	1004
Journals Subscribed	:	34

Conferences Organized/Attended

Department of Hindi organized a 3-day Seminar during 23-25 March 2015 on “Contemporary Media: Issues and Challenges”

Department of English hosted a one-day Seminar on “Realism and its Modernist/post-modernist Counter-Narratives in Literature” held on 8th April 2015.

Department of History organized a Conference on 7th April 2015 on “Doing Environmental History”.

Department of political Science hosted a one-day Conference on “Internal Democracy within Political Parties of India” on 8th April 2015.

Department of Economics organized a one-day Seminar on the much talked about and much debated upon area “Land Acquisition Bill” on 2nd, 2015.

Placement details

Number of students getting successful placements	12
Number of Companies/Industries coming for campus recruitment	02

SHYAM LAL COLLEGE (EVENING)

Activities and Achievements

The college organized an International Conference on “Unleashing Potential of Renewable Energy for Sustainable Development: Opportunities & Challenges” January 13-14, 2015. The college has launched ‘ASPIRARE’ an International Journal of Commerce and Management (ISSN No. 2394-0484) and e-Journal (ISSN No.2394-6601(e)) during September 2014.

The college also organized a one week workshop on “Personality Development for Career Enhancement” and a one day Seminar on “Good Governance”.

Library Development

The College Library on the ground floor as well as upper stacks areas is fully air-conditioned. Our Library has 56,100 books and subscribes to Hindi and English Newspapers, 30 Magazines and Journals.

Publications

Dr. R.L. Gupta published a Research paper titled “Role of Learning Environment in Quality Enhancement of Indian Educational Institutions” ISBN No. 978-81923858-7-7, pg.17-24, 2014, Published by M/s Uttam Publishers, C/o India 2014, Hansraj Mahavidyalya Jalandhar, Guru Nanak Dev University, Amritsar (Highest NAAC Score in India).

He was a resource person to deliver lecture on “Training & Development efforts to enhance manpower productivity” at the Orientation Programme organized by CPDHE held in July 2014.

Dr. Aditya P. Tripathi, Assistant Professor of Commerce participated as a Resource Person and delivered lectures on 30th June 2014 and 1st July 2014 on the topic ‘Marketing, Retailing & Consumer protection in India’ at three week Refresher Course (held from 26.06.2014 to 11.07.2014) in Commerce & Management organized by UGC Academic Staff College, Kumaun University, Nainital.

He was also a Founder Managing Editor of 'ÁSPIRARE' an International Journal of Commerce & Management (ISSN No. 2394-0484, Vol.No.1, September 2014)

Sh. Ashwani Jassal, Assistant Professor of Pol. Science presented a paper on "Clash of Interest and aspirations in Afghanistan & South Asia region: A Futuristic analysis" in the International Conference titled "56th Annual Convention: Global IR and Regional Worlds: A New Agenda for International Studies" held on February 18-21, 2015 in New Orleans (USA) and he was a Associate Managing Editor of 'ÁSPIRARE' an International Journal of Commerce & Management (ISSN No. 2394-0484, Vol.No.1, Sept. 2014).

Dr. Ashok Kumar, Assistant Professor of Commerce presented a paper in National Seminar titled "Economics Growth of Sustainable Development in India" held on March 13-14, 2014 organized by K.M.C. University, Lucknow & "Marketing Mix and the role of Retailing India" held on March 1-2, 2015 organized by Dr. RML University Faizabad, U.P.

Ms. Ila Bhushan, Assistant Professor of Pol. Science, Associate Managing Editor of 'ÁSPIRARE' an International Journal of Commerce and Management (an annual publication of the College) & published a Research paper titled 'Corporate Social Responsibility: Notes from the field' in the above Journal (ISSN No. 2394-0484, Vol.No.1, Sept. 2014).

Dr. Ramesh Kumar, Associate Professor of Pol. Science published an article on 'Indian Factor in Africa Development' in Dec., 2014 issue of Journal of African Studies. His articles, namely 'Chakravayuh mein Modi' in February 2015, Shushan ka Gandhiwadi Drishtikon on January 11, 2015 & Khamoshi ki Rajneeti on December 29, 2014, were published in daily newspaper Bhavdiya Prabhat, New Delhi. Also chaired session in two-day International Seminar on "Gandhian issues at Kolkata" organized by Indian Council of Gandhian Studies held on February 3, 2015.

Dr. Amit Singh, Assistant Professor of Hindi authored a book on 'Hindi Natak aur Paryavarna', ISBN: 978-81-7453-456-9 in 2014. He participated in a one-day workshop on 'Development of Herbal Garden' organized by Eco Club, Shivaji College, University of Delhi on January 29, 2014.

Sh. Rajiv Ranjan Singh, Assistant Professor of Computer Science co-authored & published a paper titled "Automatically calculating Quantitative Integrity Measures for Imperative Programmes" in 3rd International Workshop on Quantitative Aspects in Security Assurance (QASA) held at Wroclow, Poland on September 11, 2014. He presented paper titled "Usability vs. Security: A case study of Android IOS and Windows" in UGC sponsored National Conference on "Emerging Trends in Computer Science & Information Systems" on March 13, 2015. He co-authored a published paper titled 'Comparative analysis of Recall based and Click based Graphical password Authentication Schemes' in IJCSIT in April 2015. (Ms. Bharti Kumar and Ms. Kumari Ritu, Assistant Professors of Computer Science co-authored the above paper).

Sh. Pawan Kumar Bhura, Assistant Professor of Commerce authored books titled (i) 'Business Statistics', ISBN-9789381505359, Published by M/s Wisdom Publications, Delhi in January 2015, (ii) 'Introduction to Computer & Information System', ISBN-9789381505991, Published by M/s Wisdom Publications, Delhi, Dec.2014-Jan.2015 (Co-authored), and (iii) "An Easy Approach to Business Organization & Management", ISBN-9789381156339 (Co-authored), 1st Edition 2015, Published by M/s Variety Books Publisher's Distributors, Delhi.

Dr. P.K. Dwivedi, Assistant Professor of Hindi presented a research paper titled 'Nai Kavita: Ramvilas Sharma Avam Namvar Singh ki Mulyankan Drishti' in the National Seminar held on February 4, 2015 organized by Govt. Brennan College, Talssheri, Kerala. He also presented a research paper titled "Hindi ke Samkaleen Upanyason me Abhivyakt Bunkar Jeevan ki Arthik Avam Swasty Samasyeyen" in the National Seminar held on November 21, 2014 organized by Satyawati College (Eve.), University of Delhi.

Ms. Sonia Singh, Assistant Professor of Computer Science co-authored & published a paper titled “Evaluating the ID3 Decision Tree Algorithm in Weka” in IME Journal, Ghaziabad, Institute of Management Education (ISSN: 0974-0716). A paper titled “Comparative Study ID3 CARI & C4.5 Decision Tree Algorithm: A Survey” was published in the International Journal of Advanced Information Science & Technology (IJAIST) (ISSN: 2319:2682, Vol.27, No.27, July 2014). She published a paper titled “Issues in Mobile e-Commerce: A Survey” in the International Journal of Computer Science & Information Technologies, (ISSN:0975-9646, Vol.5 (4), 2014, 5068-5070)”. A paper titled “Image Encryption based on Arnold Cat Map & S-Box” was also published in the International Journal of Advanced Research in Computer Science & Software Engineering (ISSN: 2277 1280, Vol.4, Issue 8, August 2014).

Dr. Manish Karmwar, Assistant Professor of History published a research paper titled “Africa & its Diaspora in Asia: An Indian Perspective” in the Journal, Indian Journal of African Studies, University of Delhi (19(1&2):139-153.ISSN:0971-5320) in the year 2014.

Conferences Organized/Attended

A two-day International Conference was organized by the College on ‘Unleashing Potential of Renewable Energy for Sustainable Development: Opportunities and Challenges’.

Ms. Stuti Gupta, Assistant Professor of Economics presented a paper on “Biofuel Policy in India” in the International Seminar on “Unleashing Potential of Renewable Energy for Sustainable Development: Opportunities & Challenges” organized by the college. She also published a paper titled “Environmental Accounting: A Study of Indian Perspective” in an edited book on “Corporate Social Responsibility: Expectations, Reality and Challenges” (ISBN:978-93-81505-88-5).

Dr. Vatsal Singh, Assistant Professor of English presented a paper on “Post Colonial Feminism in the writings of Bapsi Sidhwa” in International Conference on Post Colonial Literature at Jindal Global University, Sonipat, January 28-30, 2015.

Sh. Nitesh Kr. Yadav, Assistant Professor of Commerce presented a paper on “Role of Nabard for Developing Agriculture Sector in India” in National Seminar on ‘Recent Trend in Commerce, Management & Interdisciplinary research’ held on March 1, 2015 organized by Govt. Post Graduate College, Harakh, Barabanki, U.P.. He also presented paper on “FDI System in Retail” in National Seminar on Global Opportunities and Challenges for the Emerging Indian Economy held on March 14, 2015 organized by “Khwaja Moinuddin Chisti Urdu Arabi-Farsi University, Lucknow”.

Other Significant Information

College has successfully completed the first two stages of NAAC Accreditation.

SHYAMA PRASAD MUKHERJEE COLLEGE (FOR WOMEN)

Honours/ Distinctions

Dr. Pooja Vashisht- Department of Computer Science, :University of Delhi awarded Ph.D. degree on the topic “Trust and Argumentation Based Recommender Systems” on 27th November 2014.

Ms. Nisha Arora – Department of Commerce : Awarded Ph.D. degree on the topic : Examining Ricardian Equivalence Proposition with reference to India on 27th November 2014.

Dr. Gagandeep Bajaj- Department of Education : Awarded Ph.D. degree on the topic : Inclusive Education – Voice of the challenged students on 1st September 2014.

Dr. Mamta Rajput - Department of Education : Awarded Ph.D. degree on the topic: Understanding of Pedagogical and content knowledge among science teachers on 30th March 2015.

Research Projects

Project SPM-201 Dr. Asha Joshi, Ms Shubha Sinha, Ms. Shivani George Project Title : Teacher's Absenteeism in Higher Education, Maladies and Remedies: A Case Study of University of Delhi.

Project SPM-202 Dr. Shubha Parmar , Dr. Sadhna Sharma Dr. Priti Rai Project Title: A study of the access to free and compulsory education provided by Right to Education Act to the Dalit child located in the slums of Delhi.

Project SPM-203 Dr. Garima Shukla Ms. Mala R. Choudhry Project Title: A Socio- Psychological study of Mental Health of Northern states of India.

Library Development

Our Library is fully automated and computerized with library books database of around 72,246 books on various subjects and 4000 journals available through UGC-InfoNET. The college library also has a collection of Braille Books and facility of Tape recorders and recording cassettes to facilitate learning of visually challenged students. Wi-fi passwords provided to students and faculty for access to Internet connection

Total Budget	:	Rs. 12,06,900.00
Number of books added	:	1262
Numbers of Journals added	:	65
Total Books	:	72,246

Publications

Dr. (Ms) Surjit Kaur Jolly- Department of History : Article on ‘, Bhartendu evam Guru Nanak ki Drishti mein stri’ in Book ‘Bhartendu: Ek Nai Drishti.’ ISBN no. 978-93-83513-66-6.

Paper entitled : ‘Gender Equality and Response to Gender Issues in Guru Granth Sahib’ was presented and published in Conference Proceedings of 2014 International Education conference in Las Vegas, USA on 6-8 Oct. 2014.

Paper entitled : ‘Response & Reaction to` colonial Rule in Punjab – A Case Study of Civil Disobedience in History Today – Journal of History & Historical Archeology ISSN No.: 2249-748X No.15-2014.

Dr. (Ms) Asha Joshi – Department of Hindi: Paper entitled : ‘Banaras During Colonial Rule’ Published in History Today (No. 15/ISSN No. 2299-7480).

Article on ‘Bhartendu ki Kavita’ in Book ‘Bhartendu: Ek Nai Drishti.’ ISBN no. 978-93-83513-66-6

Dr. (Ms) Nita N. Kumar – Department of English: Edited Book (with Introduction Notes and selected Essays) Nathaniel Hawthorne, The House of the Seven Gables’ New Delhi world view publication 2014. ISBN 13: 978-93-82267-06-5.

Dr. (Ms) Pooja Vashisth – Department of Computer Sc.: Empowering Recommender Systems using Trust and Argumentation Information Sciences ISSN :00200255 Elsevier (2014) 279:569-586.

Poster presentation on ‘Online Tweet Recommendation using Extreme Learning Machine in Rec Sys Challenge Workshop in California, USA On October 10, 2014

The Paper was also published in the proceedings of the conference ISBN No. : 9781450326687 in Foster City CA, USA .

Dr. (Ms) Veena Kapoor- Department of Education: Edited Book ‘ Discourses on Education’ ISBN No. 978-93-82524-17-5 and contributed an article on ‘Learner Centreed Education and Emerging Economics’

Dr. (Ms) Sudipta Ghosh- Department of Education: ‘Quest for scientific Temper’ in Veena Kapoor ed ‘Discourse on Education’. ISBN No. 978-93-82524-17-5.

Dr. (Ms) Toolika Wadhwa- Department of Education : Paper published on parenting and children ’s Identity development ‘ in Journal of Education and Society Vol II, 2014 ISSN : 2321-1989.

Chapter titled ‘Creating a School Environment free from Trauma stress and anxiety’ in S Sharma (ed) ‘what is RTE?’ New Delhi : NCERT ISBN No. :978-93-5007-276-9

Ms Kulbeer Kaur – Department of Sociology: Two Articles ‘The Last Call ‘ on 22nd February 2014 and ‘ Guru Nanak ‘ on 5th November 2014 got published in Times of India.

Ms. Shubha Sinha – Department of Political Science: Presented a paper on Human Rights and Intervention by United Nations at Harvard University in May 2014.

Conferences Organized / Attended

Two days conference titled “ Teachers Education in India – Aligning with contemporary needs and trends” organized by Department of Education

One day National Seminar organized by Buddhist studies centre on the topic- ‘Buddhism: Harmony and Peace’

One day National Seminar organized by Guru Nanak Studies Centre on the topic “Social Dynamism of Bhakti Movements and its concrete message to the youth in the contemporary world.”

One day National Seminar on “Contemporary Indian Political Thinkers” by Department of Political Science.

Seminar on ‘Use of Technology and Innovation in promoting Good Governance organized by Debating Society on 24th December 2014.

Seminar on ‘Relevance of National resources, Bio-Diversity and Pollution Awareness policies for undergraduates’. Was organized on 30th september 2014 by Environmental Studies Department of the college. Dr. Alok Mukherji from National Physical Laboratory, Pusa Institute gave an enlightening talk on the topic.

Placement Details

Number of Students getting successful placement

15 students of B.Sc. (H) Computer Sc. got placed in WIPRO, TCS and ATOS .

90 students of B.Com (H) , BA(H) Economics , BSc(Maths) got placement in Genpect.

Almost all the students of B.Ed. and B.El.Ed. got placed in prestigious public schools like Presidium, Heritage and others.

Extension and outreach programme

NSS camps organized in surrounding areas

1. Refugee colony (Peera Garhi, Paschim Vihar)

2. ESI Hospital (Raja Garden)

Number Of People Enrolled / Covered In The Camps : 300

Number Of Hours Dedicated To These Camps : 15 Hours Per Student

SRI AUROBINDO COLLEGE

Honours/Distinctions

Dr. Aprajita Chauhan was awarded the certification of appreciation for best display of business ideas and also best innovative idea in Antardhvani, ‘‘An Academic and cultural festival 2015.

Dr. Kanta Raj was honored with women achiever award on international women’s day for contribution to the field of education psychology and social work.

Dr. Ashwani Kumar of the department of Electronic attended the three months rigorous course of PRCN from 09.06.2014 to 06.09.2014 and has become lieutenant in NCC.

Research projects

Green diesel- A sustainable alternative fuel for the future (Code: SAC-201)

Soilless culture-Hydroponics (Code: SAC-202).

Green diesel- A sustainable alternative fuel for the future (Code: SAC-203).

Synchronizing education and employment opportunities for the differently abled (Code: SAC-204).

Building bio-diversity database for vesicrila mycorrhizal fungi in Delhi (Code: SAC-206).

Publications

Dr. Aprajita Chauhan published a research paper entitled ‘‘Acid and Base catalysed Transesterification of used vegetable (Gutter) and non edible oils to Fatty Acids Methyl Esters’’ in journal of biofuels published on December, 2014 (Vol. 5 Issue 2, 2014(68-75).

Mrs. Vandana Bhalla's paper "A novel Hybrid CNN-A15 visual pattern recognition engine has been published in proceeding of PReMI2015 in the LNCS series of Springer. (Book Subtitle: 6th International Conference, Warsaw, Poland, June 30-July 3, 2015, Proceedings, Series title: Lecture Notes in Computer Science, Series Volume: 9124, Series ISSN 0302-9743, Publisher Springer International Publishing, Online ISBN 978-3-319-19941-2)

Dr. Pravita Kumar published a paper in an international journal of Pharmaceutical sciences and research, "synthesis and spectral studies of Ni(II) complexes with 2-HeptanoneSemi Carbazone and 2-HetanonThio Semi Carbazone" (IJPSR (2014), Vol.5, Issue 6 published on 01.06.2014 & IJPSR (2015), Vol.6, Issue 5 published on 01.05.2015).

Conferences Organized/ Attended

The coordinating team of the innovative project code 204 conducted workshop on 26.09.2014 in Miranda house with the support of lakshita, enabling unit of Miranda house to provide employment opportunity to the persons with disabilities. Four companies had come and interviewed 109 persons with disabilities in Miranda house to provide suitable jobs.

The newly formed chemical society of the college organized a one day festival Tatva 2k15 on 16.04.2015. Prof. Gurmeet Singh, HOD, department of chemistry university of Delhi presided over the function and gave an inaugural lecture on time management for chemists. Dr. Anshu Sharma from safer world labs, seeds network delivered a lecture on environmental and social development challenges. This was followed by number of events like cheme-quiz, just a minute etc.

Placement details

Number of students getting successful placements 168

Number of companies/industries coming for campus recruitment Tata Consultancy Services Ltd., LIBSYS, Concentrix, ICICI Prudential, Genpact, Wipro, E & Y.

Extension and outreach work

Number of camps organized in the surrounding areas- 2

Number of people enrolled/covered in the camps - 50

Number of students who worked in the camps- 50

SRI AUROBINDO COLLEGE (EVENING)

Activities and Achievements

The College was an academic Collaborator and Co-sponsor of the XVIth International Conference entitled "Governance: Changing Paradigms" organized by DSPSR, held at India Habitat Centre, Lodi Road, New Delhi on January 3-4, 2015. Eminent Scholars from various countries viz., USA, UK, Iran, South Africa, Nigeria and Indonesia participated in the Conference and presented research papers

Dr. Mahesh Darolia, Associate Professor of Applied Psychology Chaired a session at the National Seminar entitled "Recent Development and Challenges" organized by Department of Psychology, Jamia Millia Islamia, New Delhi on 12-13 November, 2014.

Students of 2nd year of B.A. (Hons.) Applied Psychology engaged in exploring the Psycho-Social Dimension of Health and Social Relation among Narayan Nagar Villagers, Nainital, employing the participatory rural appraisal technique.

B.A.(Hons.) Applied Psychology Students Swapan, Anuj, (1st year), Sanya Shubham, Isha, Anees, Suhail, Arshiya (2nd year), and Arghya (3rd year), presented research papers at the National Seminar on "Health and Wellbeing: Recent Development and Challenges" held at Jamia Millia Islamia on 12-13 November, 2014.

Research Projects

Innovation Project titled "Determining Language (English/Hindi) Preference in the Commercial World as Used by Customers, Companies and Commercial Conditions".

Innovation Project titled "Psycho-Socio, Determinants of Volunteerism in Sporting Events Funded by University of Delhi".

Publications

Book authored by Dr. Sumati Verma, Associate Professor, Department of Commerce "International Business", 2nd Edition, University Specific Edition for Delhi University, Dorling Kindersley (India) Pvt.:Ltd., Pearson Education, ISBN No.97899332541689.

Book Adaptation by Dr. Sumati Verma Preparing Effective Business Plans: An Entrepreneurial Approach, Global edition 2/e by Bruce R. Barninger, Pearson International, UK.

Chapters in Books

"Resource Dynamics of Indian Outbound Acquisitions" (with RN.Kar), in Ivanaj McIntyre and Kar (ed.) Sustainable Development issues for Multinational Enterprises, Edward Elgar Publishing.

Diaspora Networks as Drivers of Global Technology Start Ups-Lessons from India for the Mediterranean Region". with Mukesh Bogaqria, in D Nicolo (ed) Startups and Startup Ecosystems - Theories Models and Successful Cases in the Mediterranean ASERS Publishing.

Conferences Organized/Attended

Dr. Prashant Kumar (OSD) presented a paper entitled "Issues in Corporate Governance – implications for Developing Economies" of the Developing Economies' of the XVI Annual International Conference on "Governance: Changing Paradigms". January 3-4, 2015, India Habitat Centre, New Delhi.

Dr. Sumati Verma, Associate Professor, Department of Commerce:
Presented a paper in June, 2014 at Academy of International Business, Beedie School of Business, Simon Fraser University, Vancouver, Canada entitled "Drivers of Emerging-Market Cross Border Mergers & Acquisitions: Evidence from the Indian IT industry; Annual Meeting.

In November, 2014 – Speaker of the round table on "Dialogue on Economic Development of the North – East", organized by the Oval Observer Foundation, London, UK.

Chaired a technical session in the International Conference on Business and Management of Deen Dayal Upadhyay College, Delhi University.

Dr. Veena Beri, Assistant Professor in Environmental Studies (Ad-hoc) - invited by Clinical Pharmacy 2014 for Oral Presentations, Track 8: Pharmacy and Medicinal Chemistry: Beri, V. (2014), Naturally occurring inhibitors of Acetylcholinesterase that block organophosphate poisoning, 2nd international Summit on Clinical Pharmacy, San Francisco, California, USA, December 2-3, 2014.

Journals subscribed

Number of National journals subscribed (online + paper back version) : 5

SRI GURU GOBIND SINGH COLLEGE OF COMMERCE

Activities and Achievements

Cross Swords, the Debating Society, organized 'SPEAK UP'- An inter college Parliamentary Debate Tournament from 29th August to 31st August 2014. It also organized the third edition of Cross-Model United Nations on 10-11 January 2015. Two committees namely United Nations General Assembly-III and All India Political Parties Meet with one of the finest Executive board and well researched delegates were stimulated within the college premises. The Commerce Society, URJA, organized The Achievers' Talk- Experiences worth Sharing, a conference which was attended by over 250 delegates from different colleges of Delhi-NCR. International Centre, SGGSCC held a string of events to promote international collaboration in various spheres. The International Cell of the college organized an international overseas education fair in association with Edwise Overseas Consultants Ltd. in the mid-October. The Centre in association with The Chopras organized an interactive session focusing on overseas education coupled with counseling desks for various countries.

Honours/Distinctions

Dr. Simmar Preet, Assistant Professor, Department Of Commerce has been honoured with the best paper award for "*Corporate Disclosure Practices – A Comparative Study of India and UK*" presented at the 3rd Annual Commerce Convention held on April 12-13, 2014 conducted by Department of Commerce, DSE, University of Delhi.

The team members namely Dr. Simmarpreet, Dr. J.B.Singh, and Mrs. Supriya Chopra of innovative project titled "Sustainability as an Innovative Strategy- Challenges and Key Drivers for the Corporate World" were awarded Teaching Excellence Award for innovation.

Research Projects

Innovation Project, SGGSCC-201 'Special Economic Zones: A Comparative Analysis of China, India and Korea'.

The project titled "Sustainability as an Innovative Strategy- Challenges and Key Drivers for the Corporate World.

Library Development

About 2500 Text/Reference books with an outlay of Rs. 6.50 lakh were added to the library. The library subscribes to about 44 journals with subscription of Rs. 40,000/-. The library has access to e-resources of UGC INFLIBNET and University of Delhi Intranet. The college spent about Rs. 9 lakh on library development including software.

Publications

Dr. Naveen Dua, Associate Professor in the Department of Commerce got her research paper titled "*Incidence of Employee- Management Dispute in Organizations*" published in Delhi Business Review, A refereed International Journal, Volume 15,, No. 1 (January-June, 2014).

Ms. Meenu Gupta, Assistant Professor in Department Of Commerce authored an article titled "*Effective Leadership for Sustainable Development*" which was published in International Journal of Management and Social Development, Volume 1, Issue 6, October 2014.

Dr. Harpreet Kaur, Associate Professor, Department of Political Science, got her books namely, *Governance, Ethics and Social Responsibility of Business, and Corporate Governance and Social Responsibility* published by Sun India Publications in 2014.

Conferences Organized /Attended

A convention titled "*Booming Service Sector in India: The Next Wave*" was held at The Hyatt Regency on 14th March, 2015.

Ms. Satvinder Kaur, Assistant Professor in Department Of Commerce has presented the paper named "*Analyzing the Impact of Good Governance Practices on the Performance of Corporates: A Study of Selected Indian Companies*" in a National Seminar conducted by Lakshmi Bai College, Delhi University.

Placements Details

No. of students getting successful placements	197
No. of Companies coming for campus recruitments	14
No. of Repeat Recruiters	10

Number and Name of Domestic/International MOU

With Foreign Universities Youngsan University, South Korea

Extension and Outreach Work

Number of camps organized in surrounding areas	4
No. of People covered	250
No. of students who worked	50
Total No. of hrs. dedicated	100 hrs.

Other Significant Information

As per India Today June 2014, the college figures in top 25 best Commerce Colleges of India.

SRI GURU NANAK DEV KHALSA COLLEGE

Activities and Achievements

Equal Opportunity Cell of the college organized a 10 hours workshop over a period of five days focusing on Personality Development, Communication Skills and IT skills. Further, a screen reading “JAWS” software has been installed on 2 computers to help the students to use computer and internet facilities and the College has purchased Portable reading camera for the benefit for the differently-abled students.

Cyber Clan designed the Surlok Posters which for the first time introduced the QR Code which facilitated the registration process for the participants.

Honours / Distinctions

Dr. Gurdeep Kaur, Deputed as a Co-ordinator of Indian/Asian Students by International Office, Uppsala University, Sweden for the Academic Year 2014-2015

Dr. Vinod Kumar, appointed *Research Associate* Indian Institute of Advanced Studies, Simla to work on a research project (September 2014).

Dr. Mahesh Kumar has been awarded the degree of Doctor of Philosophy (Ph.D) on his thesis *Reverse Mortgage as a Retirement Planning Tool: An Evaluation* by the School of Management Studies, Punjabi University, Patiala (May 2014).

Dr. Daya Shanker Sharma completed Ph.D on topic *Corporate Social Responsibility – Accounting and Disclosure Practices in India* from Faculty of Business Studies, Punjabi University, Patiala (2015).

Sh Ghanshyam Bairwa submitted his doctoral thesis on the subject *Inter-state Disparities in public Expenditure on Education in India*, to the University of Rajasthan, Jaipur (2015).

Research projects

Dr. Gurdeep Kaur, completed Research Project, duration of which was from 13th Sep. 2013 to 12 July 2014, on “Ravidas *Begumpura* and related concepts in the *Guru Granth Sahib*,” from Uppsala University, Sweden.

Innovation Project, “Understanding the Attitude of College Students towards Religion and Politics” SGND-202

Library Development

Total Budget	:	Rs. 9,00,000/-
Books added	:	1616
Journals subscribed	:	18

Publications

Harpreet Kaur, 2014, Editor: *Language Forum: International Journal on Language*, Bahri Publications; *Creative Forum: Journal on Language and Literature*, Bahri Publications, New Delhi; *International Journal of Communication*, Bahri Publications, New Delhi; *Literaria*, Bahri Publications, New Delhi;

Bawa, Manmeet Kaur, 2014, *Management paper II & III for JRF*, Competition Refresher.

Research Articles

Gill, Harnake, “Dukh Mein Tera Aabhari” And “Tumahari Kathorta,” p. 33, *Vasant No. 131*, Mauritius: Mahatma Gandhi Institute, 2014.

Roy, Maneesha, 2015, “Saffron Deluge Inundates Masters of Mandal Politics in Bihar”, Paul Wallace (ed.) *India’s 2014 Elections: Modi led Sweep Replaces Coalition System*, New Delhi, Sage Publications, 2015.

Kaur, Amrinder ,“Role and performance of Prime Minister Employment Generation Program in Assisting Micro Small and Medium Enterprises”, *Indian Management Studies Journal*, Biannual, pp-31- 38, ISSN 09744355, Volume 18, Number 2 , 2014.

Babbar, Garima, “The Study of Effect of Subprime crisis on Malaysian Economy” *Global Journal of Arts and Management* Vol. 4, Issue No. 1, ISSN No. 2249-264X (Print) p. 20-23, 2014.

Conferences Organized

National Seminar was held on “Guru Grant Sahib in 21st Century: Traditions and Modernity” on 27th February, 2015 under convenership of Dr. Amardeep Singh Bindra, Assistant Professor, Department of Punjabi.

Commerce and Consumer Interests: Challenges and Opportunities’ –UGC sponsored National Seminar was held on 14th March, 2015 under convenership of Dr. G.S. Sood, Associate Professor, Commerce.

Placement details

Number of students getting successful placement: 186

Number of companies/industries coming for campus recruitment: 7

Number of repeat recruiters: 4

Extension and outreach work

Number of camps organized in the surrounding areas: 3

Number of people enrolled in the campus: 150

Number of students who worked in the camps: 58

SRI GURU TEGH BAHADUR KHALSA COLLEGE

Activities and Achievements

The college held the Orientation Day on July 20th, 2014. The Founder’s Day was celebrated on 22nd November, 2014 to recall the martyrdom of Sri Guru Tegh Bahadur Sahib for the cause of humanity. The occasion was graced by renowned *ragis* who recited Gurbani. Based on the theme: “Delhi University : Meeting the Challenges of India”, college participated in the Annual University fest Antardhvani-2015 during 20-22 February. The displays made by our robotics team and the nine Innovation Projects were highly appreciated. College Bhangra and Gatka and girl’s Gidda teams gave performances.

This year's edition of the Annual Festival *Lashkara* was spread over three days from 26-28 February, 2015 and it was an expression of great extra-curricular potential of the students. For the Gyanodya Study Tour (Darohar: The Glory of The North East), a team of nine students along with a mentor Mr. Nilmani Prasad, History Department from our college went onto the journey towards Tripura with prime focus to trace the cultural roots of the state. The students of photography club and NSS were also part of University contingent.

Honours / Distinctions

University of Delhi under an exchange programme with the University of Edinburgh, Scotland, UK, had sent a contingent of fourteen hockey players to Scotland for special training in hockey. Out of these fourteen, four players were from SGTB Khalsa College.

The Centre for e-learning got the Special Award for the category "Digital Content in Education" at International conference cum exhibition "World Didac 2014" 2-4 September 2014, New Delhi.

Dr. Inderpreet Singh, Department of Electronics has been awarded the DST Young Scientist award.

Students of B.Tech. Computer Science won 1st Prize in National Level Competitions at IIT Mumbai and IIT Delhi for their maze-solver robots. The same were also displayed in Antardhvani-2015 along with Quad-copters and were largely appreciated by the visitors including the Vice-Chancellor.

Research Projects

The College faculty has at least half a dozen research projects sanctioned by CSIR, DRDO, MHRD, UGC and DST.

The three year project sanctioned by UGC to Dr. Inderdeep Kaur entitled 'Effect of Arsenic on ultrastructure and secondary metabolites of a medicinally important plant, *Artemisia annua* and a staple legume *Cicer arietinum* was successfully completed.

Outstanding Sports Persons

Arjun Singh (Athletics) he won gold medals at open senior nationals, at junior Asia and World Asia and has also participated in World University games sponsored by Indian government under NHFD scheme. He was nominated for Arjuna award.

Ram Karan (Para Athlete) was shortlisted for Asian games, 2014. During Asian games final heat he grabbed a silver medal.

Library Development

Mata Gujri library of the College is fully computerized with lift facility. New computerized ID cum Library tickets for students and staff and a Braille book-section for visually impaired students are the USP of the facility.

Publications

Dr. P. S. Jassal's paper "Harnessing Magnetic Chitosan Nanocomposites for the Adsorption of Heavy-Metal Ions from Aqueous Medium" WRE1238 is accepted for Oral Presentation at Beijing (China) in the International Conference of Water Resource and Environment (WRE 2015) from 25-28 July, 2015.

Dr. Venugopalan T. published "Analysis of debt portfolio in Indian Corporate Sector" 2014, Asian Journal of Research in Business Economics and Management.

Dr. Nidhi Sinha published a paper on "Growth and characterization of new semi-organic nonlinear optical and piezoelectric Lithium sulfate monohydrate oxalate single crystals"- Materials Research Bulletin 2014.

Dr. G.S. Sodhi published a paper on 'A novel fluorescent small particle reagent based on eosin B stain for developing latent fingerprints'. In: Indian Police' Journal, Volume 61, 2014.

Dr. Vanita published an Article on 'Women: Art and Living' in Canadian Punjabi Journal.

Dr. Komal Kamra published 'Molecular Phylogeny of an Indian Population of *Kleinstyladorsicirrata* (Foissner, 1982) Foissner et al., 2002. comb. nov. (Hypotruchia, Oxytrichidae) an Oxytrichid with Incomplete Dorsal Kinety Fragmentation. Journal of Eukaryotic Microbiology, 61 (2015), 630-636.

Dr. Manoj Nimesh published "Comparative study of diagnostic accuracy of established PCR assays and in-house developed sdaA PCR method for detection of *Mycobacterium tuberculosis* in symptomatic patients with pulmonary tuberculosis." J Infect 67(5): 399-407.

Jagram Meena published "A study on polymer & plastic waste and recycling."

Dr. Rajshree Dhali Contributed research paper entitled "Readings on Dalit identity: history, literature and religion" published by Orient Blackswan, 2015.

Dr. Gaganjot Singh published "Human Albuminome: reflections of neoplastic transformation and cancer detection through albumin-associated biomarkers" in book entitled Multi-targeted approach to treatment of cancer in collaboration with MD ANDERSON Cancer Centre, Texas, USA with Springer Publications.

Dr. Inderdeep Kaur Co-edited a book entitled "Plant Reproductive Biology and Conservation" published by IK International Publishers (2015).

Conferences Organized/Attended

Confero, newly formed Model United Nations Society of S.G.T.B. Khalsa College organized a two day event on 18 and 19 April and discussed important issues like human trafficking, human rights violation, nuclear non-proliferation and disarmament.

EpiCon 2014: International Conference on Epilepsy: Opportunities and Challenges" was envisaged with the goals of exchanging technical advancements in epilepsy research as well as to address the

psycho-social impact. Held under the aegis of the Indian Epilepsy Association, the conference cum workshop was jointly organized by SGTB Khalsa College, University of Delhi, and *EKATWAM*, a non-government organisation.

Dr. Rachan Sareen presented a paper entitled "Corporate Governance and Credit Ratings" in a conference "INDIA 2020: vision for the financial sector" organized by Guru Gobind Singh College on 10-11 March, 2014.

Mr. Novy Kapadia was a special invitee at the 5 Annual Knowledge Summit of IIM Ahmadabad, 6-8 November 2014 where he read a paper on how city-based leagues in which franchise owned teams participate have become the latest trend in Indian sports.

Dr. Smita Mishra attended and presented paper in Indian Science Communication Congress on '*Science Journalism*' organized by Science and Technology Ministry at Indian National Science Academy on 25-29 December, 2014.

Number of Patents Filed/ Granted

Number of national patents: One

Title of national patents: Indian Patent A Novel Oligonucleotide-based Diagnostic Probe/Tool/Kit for Tuberculosis Detection and Method of Working for Same. Patent Application Number IN 77/DEL/2013

Placement Details

Number of students getting successful placements: 60

Number of Companies/ Industries coming for campus recruitment: 10

Number of repeat recruiters: 02

Number and name of Domestic/ International (MoUs) signed with partners

With Indian/ Foreign Universities: Two

An MoU has been signed between colleges of University of Delhi and NII.

The college also signed a MoU for lateral entry of Post-Graduate Diploma students directly to M.Sc. Final (Forensic Science) course with Chandigarh University with effect from July 2015.

Other Significant Information

Going Green ---Waste Paper Recycling project was undertaken with a motto 'Improving Tomorrow's Environment Today'. SGTB Khalsa College associated with 'Jaagruti Waste Paper Recycling Services' whereby waste paper in various forms was collected from the college and given for recycling. SGTB Khalsa College has also joined hands with 'HT Media GO GREEN INITIATIVE' and has given waste paper and old books for recycling.

SRI VENKATESWARA COLLEGE

Activities and Achievements

The academic year started with the admission process for 20 undergraduate courses under Semester Programme and 10 PG courses.

The college participated in the Antardhvani event organized by DU in February and showcased its academic and co-curricular achievements. Innovation Project SVC 210 awarded Consolation Prize in Antardhvani.

16 students of the college participated in the Gyanodaya – train journey to North East India on the 12th and 19th March, 2014.

During the Annual SadhBhawan Yatra, 20 students from the college along with 2 faculty members visited and interacted with personnel from the Army and with students from the local school

Under the Star College program, the college adopted a Government senior secondary school in Bhigan, Sonapat. The faculty from the science streams visited the school and demonstrated simple experiments to students of the 9th and 10th standards.

Under the UKIERI –study in India program, 25 students from the United Kingdom visited the college in the month of August and interacted with staff and students.

The College is one amongst ten colleges across the nation to have been awarded DBT Star College Status (2015) in the year 2015. Sri Venkateswara College has also partnered with National Institute of Immunology (NII), New Delhi under Science Setu (2015) for collaborative activities with eminent scientists of the institution. The DBT funded Bioinformatics Facility in the college has been awarded the DBT-Incentive Award (2015) for highest number of publications in the BIF category.

The college hosted one of premier college cultural festival of the capital Nexus (2014) that provides a cultural platform to mix. Under SadhBhavana (2015), the students interacted with students of Ramban district Jammu and Kashmir in the reverse tour organized by Rashtriah Rifles. Women Development Cell (WDC) organized several events under “Shakti 2014” to create awareness to several issues related to women. The College has been selected for “Commendation Award for Best Practices (2014)” in the annual University festival Antardhvani of Delhi University.

Honours /Distinctions

Sri Venkateswara College awarded DBT Star College Scheme (2011- 2014) and *DBT Star College Status (2015)*.

Science Setu (2015): Sri Venkateswara College has collaborated with National Institute of Immunology, Delhi, under the Science Setu programme for academic pursuits between the college and research institute.

DBT-BTISnet Bioinformatics Centre awarded the first position at all India level in DBT Incentive Award (under BIF category) for highest number of publications in the year 2014.

Awards in Sports at National (Squash) and International Events (Shooting) and Extracurricular Activities.

Awarded DU Innovative Undergraduate Projects & Research Projects (both National & International).

Sports

Squash: Sachika Ingale, B.A. (Prog.) won Bronze Medal in 35th National Games in Squash in women's singles held in Trivandrum, from 31st Jan – 04Feb, 2015.

Shooting: Mahima Kumar Mahaja, B.A. (H) English won Silver Medal in 57th National Shooting Championship and International Junior Cop Orimattila Finland Team (ISSF) II

Athletics: Mohit Arora, B.A Gold Medal in 19th National Sports Meet for Blind- 2014-2015.

Football: Akshay Hurria, B.A. (Prog.) 2nd year represented Delhi University for All India Intervarsity in Football at Gwalior.

Special Grants/assistance/project

Star College status:

The Department of Biotechnology (DBT), Govt. of India, awarded the Star College status to the college under DBT Scheme for strengthening of Life Science and Biotechnology education and training at undergraduate level and awarded status to 6 science Departments.

Under this scheme, DBT has identified the college for the star college status to provide academic, physical infrastructure and for achieving excellence in teaching and unique exposure of students to experimental science.

Major Projects – UGC/DST/DRDO etc.

Dr. N. Latha, Associate Professor in the Department of Biochemistry, has been awarded two research projects – DST Major Project (Rs.36.09 lakhs) and a DST India-Belarus International Exchange Programme project of (Rs.4.78 lakhs).

Dr. Pranjali Trivedi: Has been awarded the INAAD program grant to conduct teaching and research in astronomy and astrophysics under which the first national-level INAAD Introductory Workshop on Cosmology was conducted in September 2014 at Sri Venkateswara College.

Dr. Vartika Mathur: Has been awarded an international project entitled “The effect of bio-fertilizer on constitutive and induced responses of tomato to African bollworm (*Helicoverpa armigera*)” by NAMS&T, DST, GoI.

Innovative Projects sanctioned by University of Delhi:

Sl.No.	Code No.	Title of the Project
1.	SVC 201	Hindi Bhasha ka Adhunikikaran
2	SVC 202	Studies on circadian Variation in Secondary Metabolites composition and/or concentration in commonly used medicinal plants of Delhi using HPLC fingerprints and its Socio-Economic Impacts
3	SVC 203	Buddhism is dead, Long live Buddhism: Literature, films and historical constructions
4	SVC 204	Design, Synthesis and Biological Evaluation of Novel Oxygen Heterocyclic's as potential antitubercular, antibacterial and antiviral agents
5	SVC 206	Immunohistochemical evaluation of candidate makers for sebaceous differentiation and their association with aggressive eyelid sebaceous gland carcinoma

6	SVC 207	Determinants of Sovereign Ratings and Its Implications for economy and Financial System – An Empirical study
7	SVC 208	Design, Synthesis and Evaluation of Novel Chalcone and Coumarine Derivatives as Anticancer Agents
8	SVC 209	Potential of organic farming in combating salt stress and its socio-economic aspects
9	SVC 210	Mathematical modeling and simulation of neural network based controllers of Robots

SVC210 awarded CONSOLATION PRIZE in Antardhvani

Library Development

Total Budget : Rs. 29,18,250.00
 Number of books added : 4474

Publications

Hydroxyethylamine based small molecules as Inhibitors of BACE-1 (A review)”Amit Kumar, Taruna Singh, Sonal Bhatnagar, Reeta Kumari and Rishi Pal Singh, Journal of Integrated Science and Technology 2014, 2(1), 5-8

Brett Phos ligand supported palladium-catalyzed C-O bond formation via electronic pathway of reductive elimination: Fluoroalkoxylation of activated aryl halides. T. Mohan Rangarajan; Rajendra, Singh; Raju, Brahma; Kavita, Devi; Singh, R. P(*); Ashok, K Prasad, Chemistry - A European Journal, (2014).

Singh, A. K.; Rathore, S.; Tang, Y.; Goldfarb, N. E.; Dunn, B. M.; Rajendran, V.; Ghosh, P. C.; Latha, N.; Singh, B. K. and Rathi, B. (2015) Hydroxyethylamine Based Phthalimides As New Class of Plasmeprin Hits: Design, Synthesis and Antimalarial Evaluation Plos ONE under revision 2015.

Singh et al (2015) Design, Synthesis and biological evaluation of functionalized pthalimides: A new class of antimalarials and inhibitors of falcipain 2, a major hemoglobinase of malarial parasite. *Biorg. Med Chem* 23 (8) 1817-27, doi 10.1016/j.bms.2015.02.029Epub 2015 Feb 26.

Jatana N, Thukral L, Latha N (2014). Structure and dynamics of DRD4 bound to an agonist and an antagonist using in silico approaches. *Protein: Structure, Function and Bioinformatics*. Nov 5. doi: 10.1002/prot.24716.

Avijit Podder and N.Latha. (2014). New insights into schizophrenia disease genes interactome in the human brain: Emerging targets & therapeutic implications in the postgenomics era *OMICS: A Journal of Integrative Biology*, 18 (12), 754-766.

Avijit Podder and N.Latha. (2014). New insights into schizophrenia disease genes interactome in the human brain: Emerging targets & therapeutic implications in the postgenomics era *OMICS: A Journal of Integrative Biology*, 18 (12), 754-766.

Antony Michealraj, Nidhi Jatana, Md. Jafurulla, N.Latha, Amitabh Chattopadhyay & B. K. Thelma. (2014). Functional characterization of rare variants in human Dopamine receptor D4 gene by genotype - phenotype correlations. *Neuroscience*262: 176–189.

Primordial Magnetic Field Limits from CMB Trispectrum - Scalar Modes and Planck Constraints”
Pranjal Trivedi, Kandaswamy Subramanian & T. R. Seshadri.

“Characterization and luminescence studies of Eu doped Barite nanophosphor” Shaila Bahl, S P Lochab, Anant Pandey, Vipin Kumar, V E Aleynikov, A G Molokanov and Pratik Kumar 2014
Journal of Luminescence 149 176-184

Roopam Gaur, K. Chandramani Singh, Radhapiyari Laishram. 2015. Effect of sintering parameters on the electrical and the piezoelectric properties of double-calcined $(K_{0.48}Na_{0.48}Li_{0.04})(Nb_{0.96}Sb_{0.04})O_3$ nanopowders. *The Korean Physical Society*, 66(5): 800-805.

Roopam Gaur, Apurva Dhingra, Soham Pal and K. Chandramani Singh. 2015. Enhanced piezoelectric properties in vanadium-modified lead-free $(K_{0.485}Na_{0.5}Li_{0.015})(Nb_{0.88}Ta_{0.1}V_{0.02})O_3$ ceramics prepared from nanopowders. *Journal of Alloys and Compounds*, 625: 284-290.

Roopam Gaur and K. Chandramani Singh. 2015. Piezoelectric properties of $(K_{0.5}Na_{0.5})_{1-x}Li_x(Nb_{0.96}Sb_{0.04})O_3$ ceramics prepared from nanocrystalline powders. *Ceramics International*, 41(1): 1413-1420

Roopam Gaur, K. Chandramani Singh, Radhapiyari Laishram. 2014. Piezoelectric and dielectric properties of $(K_{0.485}Na_{0.485}Li_{0.03})(Nb_{0.96}Sb_{0.04})O_3$ ceramics prepared from nanopowders. *Advanced Science Letters*. 20: 1159-1,62.

Roopam Gaur, Maitreyi Sangal, Arpit Dwivedi and K. Chandramani Singh. 2014. Lead-free vanadium-substituted $(K_{0.485}Na_{0.5}Li_{0.015})(Nb_{0.9}Ta_{0.1})O_3$ piezoceramics synthesized from nanopowders. *Journal of Materials Science: Mater. Electron*, 25: 3195–3202

K. Chandramani Singh, R. Yadav, P.H. Khani. 2014. Positron Lifetime and Electrical Conductivity Studies of Bicontinuous Phase in (TTAB+Pentanol)/Water/n-Octane Reverse Micellar System. *Molecular Crystals and Liquid Crystals*, 596: 69-75.

Amit Vashishtha, KK Sharma and Suman Lakhanpaul (2014) DNA Profiling of *Ziziphus mauritiana* (Lam.) and *Butea monosperma* (Lam.) Taub.: Two economically important taxa for Lakh Cultivation in India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. DOI 10.1007/s40011-014-0332-9 (A Springer Journal).

Dr. Pooja Gokhale Sinha: Effect of elevated $[CO_2]$ on cell structure and function in seed plants (2014). Neha Sharma, Pooja Gokhale Sinha, A. K. Bhatnagar. *Climate Change and Environmental Sustainability* 2:69-104.

Preeti Singh and Neeti Dhaka (2015) Glyoxalase system and salinity stress in plants" for upcoming book *Managing Salinity Tolerance in Plants: Molecular and Genomic Perspectives*. Taylor & Francis catalogue # K23522 .

Conferences Organized/Attended

National Conference: “Texts of conflict : How we bear Witness Today during February 7-8, 2014.

National Symposium on Recent Trends in Innovative Research in Undergraduation : Science and Society from 28th February to 2nd March, 2014.

International Conference on “Emerging Trends of Nanotechnology in Drug Discovery”, held on May 26-27, 2014 in association with Department of Biochemistry, University of Delhi South Campus and CQM, University of Madeira, Portugal.

Symposium in Mathematical & Computational Biology, March 10, 2015 organized in association with National Network for Mathematical & Computational Biology (NNMCB), Delhi Node

Symposium in Proteomics, March 16, 2015.

1st International conference on ‘Emerging trends of nanotechnology in Drug discovery’ organized by Sri Venkateswara College in association with University of Madeira, Portugal.(June 2014)

CHEMIXON- The cheminformatics workshop by VansScientific, held in Feb, 2015 funded by DST under Star college programme.

Introductory Workshop on Cosmology (INAAD Programme), 4-5 September 2014, Convenor: Dr. Pranjal Trivedi. Grant: IUCAA (funded by UGC) and Star College Scheme (funded by DBT)

Faculty Strength: Permanent - 111; Temporary - 02; Ad hoc - 64

Financial Allocation and Utilization

Amount received from UGC under non-plan grants - Rs.40,30,39,000.00

Expenditure - Rs.40,10,74,798.00

Patents Filed/Granted –

Number and title of national patents - 2

Dr. R. P. Singh filed a patent with Indian Patent Office, New Delhi on “A Process for preparing aryl fluoroalkyl ethers.” (Application No. 1097/DEL/2014)

Dr. R. P. Singh – A national Patent on invention “ Aryl alkyl ethers and Method thereof (Application Number . 2406/DEL/2015)

Placement Details

Number of students getting successful placements – 92

Number of companies /Industries coming for campus recruitment – 18

Number of repeat recruiters -8

Number and name of Domestic /International MoUs

Centre for Environment, Delhi Govt for herbal medicinal nursery.
Science Setu (2015) – MoU with National Institute of Immunology, Delhi
India-UKERI Exchange

Extension and Outreach work

Number of camps organized in the surrounding areas -3

i) Each One Teach One

ii) Project Jyoti

iii) Taking Science to Schools

Number of people enrolled/covered in the camps -100
Number of students who worked in the camps – 50
Total Number of Hours dedicated to these camps – 1- 2 hours on working days

Student numbers under exchange programme

Undergraduate inbound/Outbound Exchange students

3 staff members and 10 students from Sri Lanka and 25 from UK under exchange programmes visited the college campus.

SadhBhawana : 10 students from Kashmir visited the College under the SadhBhawana program.

20 students and 6 faculty visited Sri Padmavathi College and SV University under the TTD Exchange Programme.

Journals Subscribed

Number of international journals subscribed : The college has the accessibility to log-on the Delhi

Number of National Journals subscribed : University website for international & national journals. In addition to this, the college subscribed three national journals.

ST. STEPHEN'S COLLEGE

Activities and Achievements

An extension course titled “Citizenship and Cultural Enrichment” was started this year in which Network 18 and the Indian Express are media partners with St. Stephen’s College.

Honours/Distinctions

Dr. Smita Gandotra, of Department of English was awarded a Post Doctoral fellowship by Max Weber Foundation. Dr. Naina Dayal, Department of History has been selected for a Fulbright-Nehru Postdoctoral Research Fellowship at University of California, Berkeley.

Research Projects

Dr Satish Kumar: (a) Design and synthesis of photoreversible ionophores for detection and separation of heavy metal ions (UGC Major Project 2012-2014, Grant: Rs. 1045554. (b) Development of photoreversible chelators for heavy metal ions (DST Fast track Young Scientists (grant 25 Lac.).

Dr Harish Yadav: (a) To develop tunable short wavelength zno thin film based ultraviolet photon detector operating under harsh conditions for space applications (DST, Grant Rs.20.4 lakhs).

Dr Vibha Sharma and Dr Ekta Kundra Arora: Synthesis, Characterization and Applications of Novel Heterocyclic Compounds of Transition Metal Ions (UGC Major Project Grant Rs.9,05,500/-

Dr Geetanjali Sethi, Dr Annu Malhotra and Ms Sangeeta Sethi: Computational Methods for Statistical Analysis in Astrophysics (University of Delhi Innovation Project Grant Rs. 5 Lakhs).

Dr Sanjay Kumar, Dr Satish Kumar, Dr Ashley NP, Mr Sandeep Singh and Mr Rajkumar DigitVaran, a Comprehensive Digital Environment for Visually Challenged Students , Grant Rs.5 Lakhs.

Library Development

College Library has expended Rs.2314732

Library automation was expanded. Number of equipments for Visually Challenged students have been added in the College Library (like Desktop with head-phone, Laptop, Vision Aid International, & E7 recorder.

Publications

Rev. Dr. Valson Thampu, Principal Published a dozen articles on diverse subjects in national newspapers (The Hindu, The Indian Express, The Times of India, The Deccan Herald, The Week, Focus, Neeti Central) and on-line magazines.

Dr.Karen Gabriel, Department of English

International Peer Reviewed Journals:

“Towards an Understanding of Homosexuality in India” Norma: Nordic Journal of Masculinity Studies, (vol. 9, no. 1, 2014)

(with P.K. Vijayan) “Made in India to Make in India: The Meanings of Moditva”, Exemplar: The Journal of South Asian Studies, Vol. 2, no 3, Spring 2015.

Chapters

“Femininity and the Nation”, Gabriel, K. (2014) (ed.) Gendered Nation, New Delhi: Indira Gandhi National Open University Press.

“Sexuality and the Nation” Gendered Nation, New Delhi: Indira Gandhi National Open University Press.

“Female Body, National Body”, Gabriel, K. (2014) (ed.) Gendered Nation, New Delhi: Indira Gandhi National Open University Press.

Dr. Ashley N.P., Department of English: Published nine non-academic articles in Malayalam newspapers and magazines including Mathrubhumi Daily, Kerala Kaumudi and Mangalam. These include socio-political commentary and translations of articles.

Dr. Radha Mohan, Department of Mathematics: Lengths and multiplicities of integrally closed modules over a two-dimensional regular local ring, Journal of Algebra Volume 425, 2015

Conferences Organized/Attended

Dr. Karen Gabriel, Department of English

Conferences, Seminars and Public Lectures:

“Deconstructing Gender and Sexuality”, Special Lecture at Hindu College, Delhi University, 4 September 2014.

“Sexuality as a Key Concept”, 31 October 2014, two-month Certificate Course, Key Concepts and Critical Thinking,

Chair and Mentor at the academic workshop Cinema and Literary Adaptations in the Indian Context, 16th February 2015, Bharati College, Delhi University.

Chair, Panel Discussion ‘Editing and Publishing for “an Indian reader”’, Translation and the Idea of India, 17th February 2015, World Book Fair

Chair and Mentor, National Conference Bodies that Matter: The Ideology of Gender, 27-28 February 2015, Ram Lal Anand College, Delhi University.

Plenary Speaker Representation of Women in Literature and Media Studies, National Conference Gender Perspectives and Women’s Empowerment, Women’s Christian College, Chennai. March 5 & 6, 2015.

Placement details

Number of students getting successful placements-56

Number of Companies/Industries coming for Campus recruitment-43

Number of repeat recruiters-26

Extension and outreach work

Primary Education Programme: The Social Service League carried out a 45-day teaching programme from January- March 2015 to impact co-curricular education to children of nearby MCD schools supplementing their academic needs. Around 50 students volunteered for this programme. There were 50 children who were the beneficiaries of this programme.

Fundraiser for Kashmir Floods: In September 2014, with the onslaught of the Kashmir floods, SSL in collaboration with other colleges of Delhi University, in order to express its solidarity with its victims conducted a fundraiser program outside college, and collected Rs.1, 40,371. A fundraiser was also held in St. Stephen’s College which culminated in the collection of Rs. 3,08,478/-

Citizenship Course: The Principal, Rev. Dr Valson Thampu initiated a course for the citizens of Delhi, titled “Citizenship and Cultural Richness.” The following are the Objectives:

To promote the discipline of lifelong learning

To enrich the cultural and intellectual life of the city

To promote a sense of belonging together as learners and seekers towards becoming responsible citizens.

Journals subscribed

Number of international journals subscribed (online +paper back version) - 10

Number of National journals subscribed (online + paperback version) - 9

Other Significant Information

The College has initiated the NAAC accreditation process. It earned the IEQA status in November 2014 and submitted the mandatory Self-Study Report in May 2015.

SWAMI SHRADDHANAND COLLEGE

Library development

Total Budget	:	25 Lakhs
Number of Books added	:	5000
Journals	:	10

Conferences Organized/Attended

Dr. Saraswati Kanodia and Dr. Seema Gupta participated as jury members for 4th National level Exhibition and Project competition in October, 2014 by Ministry of Science and Technology, DST at Pragati Maidan, New Delhi.

Dr. L. R. Paliwal attended, a two day 67th National Seminar organized by Indian Commerce Association in collaboration with KIIT University Bhubaneswar on 27th-29th December, 2014 and presented paper entitled, “Corporate Social Responsibility v/s Corporate Sustainability Responsibility v/s Corporate Sustainability Responsibility: A Critical Analysis”.

Dr. L. R. Paliwal attended, a two day 38th International Seminar and Conference organized by Indian Accounting Association in collaboration with Lucknow University, Lucknow, on 8-9 November, 2014 and presented paper entitled “Creative Accounting: Meaning, Motivation and Ethical Issues.” He also presented paper entitled “Accounting Education and Research: Challenges in Present Scenario.”

Dr. J.S. Kadyan participated and chaired one technical session of the National Conference on Modern Trends in Accounting, Banking and Management, MTIABM 2015, organized by Department of Commerce, Padmashree Dr. D.Y. Patil, ACS, College, Pimpri, Pune, Maharashtra, on 16th-17th January, 2015. He also presented a paper titled, “Transforming Gandhian Vision through Rural Entrepreneurship” in the National Conference.

Dr. Kuhu Chanana was nominated as a member in a committee formed by UGC to form policies for the reservation of transgenders in academic institutions. Her paper entitled ‘Homoeotericism and Re-accessing the Idea of Fallen Woman’ with special reference to Keval Sood’s ‘Murgikhana’ shall shortly be published in Fallen Women in the East published by Fordham University Press, USA. Dr. Chanana’s work LGTBQ Identities in Modern Indian Fiction, being published by D. K. Print World, New Delhi, is also due to be released soon.

Mr. Krishna Murari presented a paper on ‘Identity, Politics and Development in Jharkhand’ in a National Seminar organized by Department of Political Science, Kakatiya University, Warangal, Telangana on Reconstruction of Telangana: Issues and Challenges, on 6th-7th February, 2015.

Dr. Rajni Arora was the content writer for the chapter in Immunology for e-Pathshala, a UGC project with the Department of Zoology, University of Delhi.

VIVEKANANDA COLLEGE

Honours/Distinctions

Dr. Sukhneet Suri, Assistant Professor, Department of Food Technology is awarded Rs. One Lakh under State Award for Meritorious Teachers', Delhi Govt.

Awarded Ph.D. Degree to Dr. Sandhya Jain, Assistant Professor, Department of Mathematics.

Research Projects

Resilience project to meet the challenges of Urban India—supported by college and other industry partners such as tiens Healthcare and YES Bank. Project Investigator : Dr. Seema Sharma, Department of Environmental Studies.

Sondhi, V., Kant, A., Pawar, B., & Sood M. (2014-15). University of Delhi sponsored Innovation Project on “Psychosocial Stressors, Coping Responses, and Mental Toughness in DU Sports Students” Project code VC-201.

Students with Distinctions

Charu Chawla, Unnati Yadav and Anjali represented Delhi University in All India Inter University Hockey Competition.

Kavita represented Delhi University in All India Inter University Cycling Competition.

Manisha Rana and Sheetal represented Delhi State in Junior National Net Ball Tournament.

Library development

Total budget		
Operational	:	Rs. 6,89,746/-
NR	:	Rs. 1,20,000/-
Total	:	Rs. 8,09,746/-
Number of books	:	60254
Number of Journals	:	16

Publications

Suri, S. Advances in Food and Nutrition. Theory Manual for M.Phil in Home Science. Vikas Publishers. 2015. ISBN 9789325985759.

Nandrajog, Hina, trans. The Elusive Fragrance and Other Stories. By Jaswinder Singh. Patiala : Punjabi University, Patiala, 2014. ISBN 978-81-302-0241-9

Verma, S.K.; Sachdeva, S; & Sundas, B. (2014). *Culture, Social Process and Suicide : a Qualitative Enquiry. In Urmi Nanda Vishwash (Ed.) Social Psychology of Health. Concept.*

Placement details

Number of students getting successful placements : Approx. 40 students received offer letter to join companies after completion their graduation.

Number of Companies/Industries coming for campus recruitment : 02

Number of repeat recruiters : 01

Extension and Outreach work

Number of camps organized in the surrounding areas : 06
Number of People enrolled/covered in the camps : 250-300
Number of students who worked in the camps : 10
Total number of hours dedicated to these camps : 2 – 3 hours

Journals subscribed

Accen through UGC consortia, NLIST and DELNET is available.

Number of National journals subscribed (*online + paper back version*) : 16

ZAKIR HUSAIN DELHI COLLEGE

Activities and Achievements

The 27th Zakir Husain memorial Lecture was organized on 24th February 2015; delivered by Mr Siddharth Varadarajan, eminent journalist and presently senior Fellow, Centre for Public affairs and Critical Theory, Shiv Nadar University on the topic “1984, 1989, 2002: Three Narratives of Injustice and Lessons for Democracy”.

The 8th Annual Convocation was held on 4th March 2015. Lt. Governor Najeeb Jung presided over the convocation as the Chief Guest and conferred 519 degrees to the graduating students of 2013.

Famous historian, author, journalist and a prominent figure in the city of Delhi, Mr. R. V. Smith delivered the 8th Delhi College Memorial Lecture, “The Lingering Charm of Delhi”, on 5th November 2014.

A Handmade Paper Laboratory was inaugurated on 17th October, 2014 under the Innovation Project, ZH 204.

Ten of our students were selected for Gyanodaya V project of University of Delhi. These students, with Dr. Sunil Kumar, visited Manipur. During the visit they did a short project on Phabou nga a staple fish ingredient of most of the Manipuri cuisines. The research work has been accepted for publication in the DU journal.

The Electronics Department formed a self-learning independent Robotics Group, *Phoenix*. They have developed PCB designing techniques, Line Follower robot and a RC controlled robot.

Honours/ Distinctions

Dr. K. K. Arora (Chemistry) recorded 8 video lectures at ITI (Roorkee) on organic chemistry from UGC curriculum under National Mission for Education through ICT, a Project of MHRD

Dr. Sulekh Chandra (Chemistry) was elected member of Council and Associate Editor for Indian Chemical Society. He was also elected Chairman, Northern Region Society of Ecotoxicology and environment science (ICEES).

Dr. Sonu Trivedi (Political Science) was appointed as member of Myanmar Core Group, Indian Council of World Affairs.

NCC cadets were selected for, and participated in *The Republic Day Camp*.

NSS: Two students, Sukhram and Mohit Kumar, both from Hindi (Hons.) III year; were selected for the Pre-Republic Day Parade. Two students, Deepak Kumar and Rohit Kumar, both from Hindi (Hons.) III year; were selected for, and participated in the Nineteenth National Youth Convention and Festival by the Government of India, at Guwahati, Assam.

Research Projects

Dr. Sulekh Chandra (Chemistry) was awarded a research project on “Novel Transition Metal Complexes Encapsulated in Various Mesoporous Silices: Catalytic Activities Studies in Selective Organic Transformations”, funded by DRDO, New Delhi.

Library Development

Total Budget: Rs. 13,80,000/-

Number of books and journals added: 2451

Publications

Amir Jamal (Arabic) published a book on Arabic Grammar, ‘Arabic: Learn the Easy Way’ in October 2014.

Dr. K.K. Arora (Chemistry) published a book titled “Systematic Approach to Organic Chemistry, Volume I”.

Dr. Sarita Passey published two papers in national journals including one titled, “BODMEL: A Compact Apparatus for Simple Distillation, boiling point and melting point determination”, Journal of Laboratory Chemical Education.

Dr. Abdul Wahid Farooqi (Commerce) published a book entitled "Principle and Practice of Insurance".

Dr. Reeta (Commerce) published two papers including one titled, “Social Responsibility and Ethics in Marketing”, in Assimilation, International Journal of Social Sciences.

Ms. Shirin Akhtar (Economics) published a paper titled “Corporate Social Responsibility as a Strategic Tool for creating greater Economic Value” in the Journal of Innovative Business Management.

Ms. Simin Akhtar Naqvi (Economics) published a paper titled “Discriminatory Social System & Women in Indian Labour Markets” in the International Journal of Development Studies & Research.

Shraddha A. Singh (English) published a paper titled, “Body as Text and Context in the works of Atwood and Goswami”, in the edited book *Gender and Diversity: India, Canada and Beyond*.

Dr. Devesh Vijay (History) published four papers including one titled, “Emergent Ruralities: A Rejoinder” in the Economic and political Weekly and a working paper titled, “Livelihoods in the Periphery of Delhi, circa 1930-2012” at the Institute of Economic Growth.

Dr. Abdullah (Mathematics) published 6 papers in international journals including one titled, “Characterization of Lipschitz spaces and the Zygmund Class using wavelet packets” in the International Journal of modern Science and Engineering Technology and another titled, “On the

Characterization of non-uniform wavelet sets on positive half line”, in the Journal of Information and Computing Science.

Dr. Gautam Barisagar (Mathematics) co-authored two papers in the Journal of Algebra and RMS Lecture Series.

Dr. Jameel ur Rehman and Dr. Jamshed Khan (Persian) published an edited book titled “Delhi of Mughals: Culture and Topography”.

Dr. Aftab Alam (Political Science) contributed a chapter on ‘Early Indian Responses to Colonialism: Exploring the Peasant and Tribal Uprisings of 19th & 20th century’ for Institute of Life-Long Learning (ILLL), University of Delhi and wrote a report on ‘Socio-Economic and Educational Status of Jat Community in Nine States’ for the National Commission for Backward Classes, Government of India.

Dr. Sonu Trivedi (Political Science) published 10 oped articles in international newspapers published in Myanmar publications. She also contributed chapters in two edited books on Myanmar including one titled, “India-Myanmar: Rebuilding Synergies and Strengthening Partnership” in an edited book, ‘Change in Myanmar’ and another titled “Exploring Opportunities and Competitive Advantage: India-Myanmar Relations” in the edited book, ‘India’s Foreign Policy in Contemporary Era’.

Dr. Mohammad Alam (Urdu) published a book titled, "Urdu Mein Intearaati Usloob ke Numainda Nasar Nigar".

Dr. Ankur Maheshwari (Zoology) published a paper titled, “Engenia jambolana pretreatment prevents Isoproterenol-Induced Myocardial Damage in Rats: Evidence from Biochemical and Molecular histopathological studies” in the Journal of Medicinal Food.

Mr. Sunil Kumar (Zoology) published a paper titled, “Declining Population of Phabou Nga (Puntius Saphore). a staple dietary fish in Manipur: Ensuing concerns in the Delhi University Journal of Undergraduate Research and Innovation.

Conference Organized/Attended

The Department of Urdu organized a National Urdu Science Congress on 20-21 March 2015.

Dr. Mohd Qasim (Arabic) presented his research paper in International Seminar organized by University of Kerala on 5th Feb. 2015.

Dr. Abdul Wahid Farooqi (Commerce) presented two papers in national seminars including one titled, “Islamic Banking in India: Strategies and Innovation” in a National Conference on Emerging Issues in International Trade and Finance organized by Deen Dayal Upadhyay College, University of Delhi. He was also a resource person in an international seminar on ‘Global Economic Revival: A Changing Scenario; organized by Department of Business Administration, Jamal Mohammad College, Tiruchirapalli, Tamil Nadu.

Dr. Shruti Gupta (Commerce) presented a paper on "Strategic Financial management Practices in BPO industry: Development of an index of professionalism" in the 3rd Annual Commerce Convocation, Delhi University.

Ms. Simin Akhtar Naqvi (Economics) presented a paper at the 33rd IARIW General Conference held in Rotterdam, Netherlands. She was also invited as a speaker in a national seminar on Women and

Education in Jammu and Kashmir, organized by HWD, Pahalgam and as a speaker on Changing Mindsets for Empowering Women at the Centre for Dalit and Minority Studies, Jamia Millia Islamia.

Dr. Mukul Chaturvedi (English) presented a paper, "Ethical Witnessing: The Poetics and Politics of Testimony" at the first Global Conference on Testimony: Memory, Trauma, Truth, Engagement in July at Mansfield College, University of Oxford in July. She also presented a paper, "Who is speaking thus? Ethics of representation in Oral History Narrative" in a UGC sponsored National Seminar *Intersections: History and Literature* at DCAC, University of Delhi.

Dr. Devesh Vijay (History) presented four papers in national level seminars of which were, "Changing Caste Order: Glimpses from a Village and a Slum near Delhi at a National Seminar on 'India between Caste and Castelessness in the Era of Liberalization, Privatization and Globalization' at Jawaharlal Nehru University in July 2014 and another paper on "Changing Livelihoods in Two Working Class Communities of North India: 1988-2012" at the Department of Sociology, University of Delhi and the Centre for Study of Social Systems, JNU.

Dr. Gautam Barisagar (Mathematics) delivered two invited lectures at TIFR, Mumbai and ISI Delhi.

Dr. Abdullah (Mathematics) presented papers in three international conferences held in Jamia Millia Islamia, University of Delhi and Punjabi University, Patiala respectively.

Dr. Jameel ur Rehman (Persian) presented a paper titled "Hayat-o-khidmat-e-Ibn Sina" in an International Seminar on "Life & Contribution of Ibn Sina". He also presented a paper entitled "Sheen Partu-wa-Dastan- Hayash" in a National Seminar on "Modern Persian Literature" organized by Department of Persian, University of Mumbai.

Dr. Jamshed Khan (Persian) presented a paper titled "A brief survey of Modern Persian Short Story Writing Iran" in a National Seminar on "Modern Persian Literature" held at the department of Persian, University of Mumbai.

Malik Saleem Javed (Persian) participated in a three day International Seminar on "Society and culture in Indo-Persian Literature during Sultanate Period (Circa 13-16)" organized by the Department of Persian, University of Delhi and presented a paper titled: "Namuna-e-Farsi Dar Dora-E-Sultanat : Turki-Farsi Zabanaan."

Dr. Aftab Alam (Political Science) presented a paper titled 'Caste Inequality among Muslims: Problematizing the Conception of Muslim Minority Community in South Asia', at the 27th Annual Conference of Japanese Association for South Asian Studies at Daito Bunka University, Saitama-Tokyo, Japan and another paper on 'Discrimination, Humiliation and the demand for Recognition', at 23rd European Conference on South Asian Studies, University of Zurich, Switzerland. Of the five invited lectures he delivered at various forums, Dr. Aftab Alam delivered two invited lectures on 'Democracy, Elections and Minorities' and on 'At the Margins: The Plight of Religious Minorities in India' at the Refresher Course in Political Science for Faculty Members and Orientation Programme respectively organized by UGC-Academic Staff College, Jamial Millia Islamia.

Dr. Sanjeev Kumar (Political Science) presented two papers in a national seminar and a paper titled, "Citizenship, the Nation-state and Globalisation in the International Conference on 'Global Justice & the Global South', organized by the Department of Political Science University of Delhi. He also delivered an invited lecture on "Citizenship and the challenges of Societies" at the Centre for Gandhian Thought and Peace Studies, Central University of Gujarat.

Placement details

Number of students getting successful placements: 70

Number of Companies/ Industries coming for campus recruitment: 04

Number of repeat recruiters: 02

Number and name of Domestic / International (MoUs) signed with partners

College has signed a MoU with National Institute of Immunology under the Science Setu Programme.

ZAKIR HUSAIN POST GRADUATE EVENING COLLEGE

Activities and Achievements

College organized an inter-college debate on March 11, 2015 on the topic “Gender Equality: Dream or Reality in the auditorium. Recently introduced Department of Environmental Studies was very active in doing things very well. They organized several competitions like poster making on the theme ‘Climate Change’ and slogan writing on the theme ‘Save Earth’ and the Department had visited along with students to several ecological sites like Delhi Ridge, Okhla Bird Sanctuary and Zoological Park, as part of their field work. ten (10) students of B.A. (Prog.) Semester I (EVS) of our College were selected for Internship in the Vice-Chancellor’s office for 20 days during the period from 15th December, 2014 to 4th January, 2015.

Honours/Distinctions

Dr. Madhumita Chakraborty, participated in the Inaugural Euromedia conference, organized by IAFOR in Brighton, UK in July 2014. She presented a paper titled ‘Reporting conflict, creating movement: Media and the rise of the Aam Aadmi Party in India’ and also chaired a session during the conference. She also participated in the IACLALS International Conference held in Goa in February 2015, in which she presented a paper titled ‘Empowered in Exile: The ‘other’ women in Mahasweta Devi’s *After Kurukshetra* and *Rudaali*. Dr. Madhumita Chakraborty also submitted 5 book reviews in the journal *The Book Review* including a review of Neel Mukherjee’s Booker Prize nominated book *The Lives of Others*.

Dr. Shubhra Ray, presented a paper entitled “Self-Condensation as Autobiographical Performance: The Case of Manoda Debi in Colonial Bengal” at the 23rd European Conference on South Asian Studies organized by the ECSAS and the University of Zurich, Switzerland, July 23-26, 2014. Also co-convoked a panel-“The Self in Performance: Gender, Performativity and the Autobiographical in South Asia.” She also presented a paper entitled “Literary Surveillance and the Book in Colonial India: Revisiting the Debates on ‘Obscenity’ in the case of Manoda Debi” at the Global History of the Book (1780 to the present): An International Workshop organized by the Oxford Centre for Global History and the Postcolonial Writing and Theory Seminar, University of Oxford, December 4-5, 2014. Dr. Shubhra Ray also presented a paper entitled “Wanderlust and the Politics of Subversive Self-Construction: A Reading of Nabaneeta Dev Sen’s *Truckbahon-e, Mc Mahon-e*” at the Annual Conference of the Indian Association for Commonwealth Literature and Language Studies organized by IACLALS and Department of Humanities and Social Sciences, BITS-Pilani, K.K. Birla Goa Campus, February 12-14, 2015.

Library Development

The number of books in the library has also shown a steep increase year after year, and today, the evening college library boasts a collection of over 80, 000 books, including some very rare books which are preserved in our library. A Data Bank of the books stored in the library has been prepared and one can scan the available books in the library on the computers. The library subscribes to journals, magazines and newspapers in English, Urdu, Hindi, Arabic and Bengali. The College brings out four magazines in English, Hindi, Urdu and Bengali each year. All the bookshelves and racks are painted in the library and it is fully air conditioned. Two new OPAC for searching the books are installed in the Reading Room area.

Publications

Dr. Shahina Tabassum, Assistant Professor, Department of Urdu, presented 5 papers in National Seminars and also published a paper in *Aiwan-e- Urdu*. She was a jury member of the young writers Award committee of Sahitya Academy.

Dr. Mazhar Ahmed, Associate Professor, Department of Urdu published two books namely *Manto Khakey* and *Aqwal-E-Usufi*.

Dr. Anil Sharma, Assistant Professor, Department of Hindi published 4 articles in various magazines and academic journals. He also successfully supervised a PhD thesis of the University of Delhi.

Conferences Organized/Attended

Dr. Madhumita Chakraborty, participated in the *Inaugural Euromedia Conference*, organized by IAFOR in *Brighton, UK* in July 2014. She also participated in the IACLALS International Conference held in Goa in February 2015, in which she presented a paper titled 'Empowered in Exile: The 'other' women in Mahasweta Devi's *After Kurukshetra* and *Rudaali*.

Dr. Shubhra Ray, presented a paper entitled "Self-Condensation as Autobiographical Performance: The Case of Manoda Debi in Colonial Bengal" at the *23rd European Conference on South Asian Studies* organized by the ECSAS and the University of Zurich, Switzerland, July 23-26, 2014 and also co-convened a panel in the same conference.

Journals subscribed

Number of National journals subscribed : 12

Other Significant Information

This year the College fraternity celebrated/observed the following three most important programmes in the College campus.

Swachh Bharat Abhiyan

Teachers, students and non-teaching staff of the college responded to the call of Swachhh Bharat given by the Hon'ble Prime Minister, and participated in a cleanliness Drive in the college campus on 2nd October, 2014 All present also took a pledge of maintaining cleanliness.

National Unity Day

To commemorate the birth anniversary of Sardar Vallabhbhai Patel as National Unity Day, the members of the college fraternity took a pledge to uphold national unity and integrity at all times. A debate competition was also organized on the occasion.

Good Governance Day

In response to the call of the Govt. of India to observe the birthday of Shri Atal Bihari Vajpayee as Good Governance Day, a seminar as well as a declamation competition on the topic was organized in the college. A number of students and teachers participated in the same.

UNIVERSITY HOSTELS/HALLS

AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN

The Ambedkar-Ganguly Students' House for Women was started in October 2003 and is being maintained by the University of Delhi. It can accommodate up to 99 and four 4 residents. During the academic session 2014-2015, various cultural activities were held in the Hostel with the help of the elected Student Welfare Association and the Hostel Authorities.

The Independence Day, was celebrated by hoisting the National Flag, followed by the singing of the National Anthem. The Freshers' party was organized on 24th September 2014, followed by Diwali celebrations by lighting up the Hostel building. Advance Christmas was celebrated on 24th December as 25th December falls during winter break. All the National Days and festivals were celebrated to create a sense of oneness and awareness.. The Republic day was observed by hoisting the National Flag, singing the National anthem and the distribution of sweets among the residents. The day was special when the hostel staff, residents along with the Hostel Authorities sat together for breakfast.

ARAVALI POST GRADUATE MEN'S HOSTEL

Aravali Post Graduate Men's Hostel was established in 2005 by University of Delhi, South Campus. It can accommodate up to 74 residents.

The Hostel celebrated the Independence Day and Republic Day. The Annual Hostel(s) meet along with the Saramati Hostel was celebrated on 01 March 2015. A consistently monitored quality food is provided by the hostel to the residents. Besides this, recreation facilities are also available in the dining hall with television along with D2H facility. Kitchen and Dining have been equipped with Deep freezer, High capacity refrigerator, desert cooler, reverse osmosis water purifier and other quality kitchen equipment.

CENTRAL INSTITUTE OF EDUCATION

The Central Institute of Education set up two hostels, Shree Bhawan for Women and Shakti Bhawan for Men in 1950. It can accommodate up to 21 residents in Shree Bhawan and 24 residents in Shakti Bhawan. The hostel offers various facilities and services to enhance the quality of life of residents.

D.S. KOTHARI HOSTEL

The D.S. Kothari Hostel named after late Professor D.S. Kothari, an eminent Physicist and a well-known educationist was established in 1997, the Platinum Jubilee year of the University of Delhi. It has 38 double seated and 19 single seated rooms to accommodate Postgraduate Students and Research Scholars, respectively.

All the National Days and Festivals were celebrated to familiarize the residents with the Culture of National and International Students. Dr.M. Rajendran joined as a Resident Tutor w.e.f 29th September 2014. A special feature of the Hostel was The Flower Show Committee Cup at the 57th Annual Flower Show held in February 2015. As part of enhancement of facilities a Window A.C was purchased for the Reading-cum-Library Room.

DEPARTMENT OF SOCIAL WORK HOSTEL

The Department of Social Work Hostel (DSWH) was established in the year 1962. It can accommodate up to 83 residents. The hostel is equipped with fire and safety provisions, as also the disabled friendly entrances and ramps. The elected Hostel Union Club celebrated various festivals, such as Independence Day, Republic Day, Lohri, Holi, Id and Diwali.

GEETANJALI HOSTEL

The Geetanjali Hostel was established in January, 1990. It accommodates 102 residents. Residents have been provided with additional new water coolers on the Ground and first floors. Also new LED flood lights were installed in and around the hostel premises this year, to provide better lighting at night.

The hostel organized its Annual Cultural Nite on 13th March 2015 with a variety of competitions and cultural programmes. Merit prizes were given during the Annual Day Celebrations. The residents celebrated festivals like Christmas, Lohri, Holi and Diwali with great fervour. They also organized Saraswati puja on the occasion of Basant Panchami. A Maa Saraswati Statue was unveiled in the premises of the Hostel by Dr. Neelanjana Singh, President, DUWA on the annual nite.

GWYER HALL

Gwyer Hall was established in 1948. It accommodates 158 residents. There was a great rush for admission in this Hall during the current academic year 2014-2015 and about 900 applications were received for Master's, LL.B, CIC, M.Phil, Ph.D., B.Ed. M.Ed. program of the University. The admission was granted purely on the basis of merit. Area outside the Canteen and Gymnasium have been developed. In order to augment hygienic facilities, steps have been taken to get the overhead water tanks cleaned from time to time. Measures were also taken to ensure cleanliness all over the Hall including Kitchen, Pantry, Store and Toilets on priority.

The Gwyer Hall participated in the 55 Annual Flower Show organized by the University of Delhi and got the first prize. The Hall residents organized various functions to mark and celebrate occasions like Buddha Purnima, Independence Day, Diwali, Christmas, New Year, Republic Day, Saraswati Puja, Id-ul-Fitr, Holi among others.

INTERNATIONAL STUDENTS' HOUSE

The International Students' House was set up in 1964 by Indian Council for Cultural Relations at University of Delhi. It accommodates 98 residents. During the academic year 2014-15, 60 foreign

students from 27 countries in addition to 30 Indian students were admitted in the House, presenting an amalgamation and diverse mosaic of International and Indian cultures.

A Freshers' welcome party coupled with inauguration of the House Union was arranged on October 26, 2014. The House celebrated Independence Day, Deepawali, Christmas, New Year's Day, Republic Day, Lohri, Swami Vivekanand Jayanti, Id-ul- Fitr, Id-ul -Zuha, Saraswati Puja, Hindu New year and Holi with great enthusiasm. The International Students' House Union organized the ISH Sports Competition, Intra-Inter Hostel in the month of February, 2015.

The ISH celebrated its 51st year and Annual day function ' Milestone 15' on 28th February, 2015. Professor Sudharshan Seneviratne, High Commissioner of Sri Lanka to India was the Chief Guest. Students and artists from various countries including India, Sri Lanka, Fiji, Ethiopia, Cambodia, Indonesia, Nepal, Mauritius, Afghanistan, Thailand and Nigeria entertained the audience with culturally rich programmes. Many distinguished guests from Delhi University and diplomats also attended the colourful event. A special Dinner was organized for the guests and the residents on this occasion.

The year was also marked by the improvement of services to the residents, such as the replacement of three Washing machines: purchase of one Air Conditioner and renovation of three bathrooms, construction of ramp for Differently Enabled students.

INTERNATIONAL STUDENTS' HOUSE FOR WOMEN

The International Students' House accommodates foreign and Indian students studying in the North Campus of the University of Delhi. It accommodates 98 residents.

The Hostel participated actively in "Swachh Bharat Abhiyan" on the occasion of Gandhi Jayanti, 2nd Oct 2014. All Residents and office staff work together to keep our hostel, and the nation clean. Orientation Programme was held on 24th Oct 2014 in the Lounge Room of the House. A Freshers' Party (2014-15) was organized on 25th Oct 2014 with a special dinner. The Annual Guest Night Function was organized on 8th March 2015. The theme this year was "*Make It Happen*". The Chief Guest was Mrs. Manorie Mallikarachy, Minister Counsellor, Sri Lanka High Commission. More than 400 guests including diplomats from various embassies and friends of residents from Delhi University Colleges were invited. Many guests from the University graced the occasion. The Library Committee organized a trip to the Garden of Five Senses on 21st March 2015. A Farewell Party for the residents of the year 2014-15 was given to the outgoing residents on 2nd May 2015. They shared their experience and narrated the wonderful time they had spent in the House.

JUBILEE HALL

Founded in 1947 on the occasion of the Silver Jubilee of the University of Delhi, the Hostel accommodates 206 residents.

This year too, many of the residents were selected for the IAS, IPS and other All India Competitive Services of Govt. of India. To keep harmony and its basic character of "Unity in Diversity" the Hall celebrated all festivals like Saraswati Pooja, Holi, Eid, Independence Day, Deepawali and Christmas with much gaiety and enthusiasm.

MANSAROVER HOSTEL

The Hostel was established on 3rd March, 1988. It accommodates 167 post graduate male residents.

All the festivals including Independence Day, Republic Day, Dusshera, Diwali, Holi, Id-ul- Zuha, Saraswati Puja, Charisma Day, Gandhi Jayanti and Ambedkar Jayanti were also celebrated in this hostel. The residents also participated in various out-door and indoor games during the year. A range

of talks and panel discussions were organized by the hostel on various topics. The Hostel organized a Freshers' party and New Year's day by inviting alumni and other guests from the University.

MEGHDOOT HOSTEL

The Hostel accommodates 99 residents.

All the National Days and festivals were celebrated. On Independence Day the Tricolour Flag was hoisted by the Provost and Warden. To mark the occasion, each resident wore white, saffron or green colour attire with a flag pinned, as a symbol of love and gratitude to the nation. Swachha Bharat Abhiyan on Gandhi Jayanti was a day dedicated to cleanliness and hygiene around the hostel campus. Special dinners partaken by all were organized during the festival days together with dance and music. Bakri Eid was celebrated on 7th October with Special food was served on this occasion. Diwali was marked with mehendi and rangoli competitions and residents refrained from burning crackers. The residents celebrated Christmas special dinner and cake. The celebration began by singing Christmas carols and distribution of gifts by Santa Claus. The function ended with a 'gift exchange' among the residents. On 24th January 2015 the residents celebrated Basant Panchami. Republic Day was celebrated on 26th January, 2015. The Tricolour Flag was hoisted by the Warden followed by a Cultural Programme and Sports. On 6th march 2015, Holi was celebrated in the hostel premises among the residents. Everyone played a safe and colourful Holi. Farewell of residents was organized on 26th April 2015.

NORTH EASTERN STUDENTS' HOUSE FOR WOMEN

North Eastern Students' House for Women was established on 29th June, 2002. It accommodates 101 residents.

In 2014-2015, 101 residents were admitted to the hostel. 71 residents were from the North Eastern Region and 30 from the Other States. The strength of residents from Assam, Nagaland and Manipur continued to increase.

P.G. MEN'S HOSTEL

P.G. Men's Hostel was inaugurated by Prof. R.C. Mehrotra, the then Vice Chancellor on 24.10.1975 with one hundred single bedded rooms.

The Union was fairly active throughout the year and a number of academic and cultural activities. Lecture by Prof. S.C. Raina, Faculty of Law was held on 18th March 2015 on "Article 370 and AFSPA (Armed Forces Special Powers Act): Necessity or solution?" Ajit Singh Yadav Memorial Debate held on 24th March 2014. A Lecture by Prof. K.V. Bhanumurthy, Faculty of Commerce was organized on 9th April 2014 on "Global Environmental Degradation and Global Disparity"

Plants and saplings were planted by the Hostel Administration along with the residents on the World Environment Day. Eid and "Iftar Party", Intra Hostel Sports meet, Flag hoisting ceremony, Swachha Bharat Abhiyan, Diwali festival, Sports prize distribution and Cultural Night, Christmas Day, New Year eve, "D.J. Night", Lohri, Republic Day, Holi festival were celebrated by the residents.

RAJIV GANDHI HOSTEL FOR POST GRADUATE GIRLS

The Rajiv Gandhi Hostel for Girls was established in July 2012. It accommodates 772 residents.

Under the guidance of Hostel authorities, one of the major events the annual Hostel day *Ragaaz -2015* was organized on 27th February 2015 with a cultural programme. The cultural aspects of different states of India were demonstrated by excellent dance performances by the residents. It was then followed by dinner and the Jam session. *Fete-2015* was also organized in front of the Hostel on 28th February, 2015. The hostellers had put up stalls for snacks and other items.

A special achievement was the participation of residents and Housekeepers of the Hostel in a DD News show on the International Women's day.

For the convenience of the Hostellers, the following purchases have been made during the year 2014-15.

Two additional refrigerators for storing food items by residents.

Concrete cement Benches placed in the open space and in the lawns.

Rs. 9.00 Lakh has been sanctioned out of XII plan under Student Amenities for purchase of computers for the Hostel.

During this period various Cultural activities were held in the hostel The residents participate in the smooth and efficient functioning of the Hostel to contribute to a harmonious community life. The President, General Secretary and other secretaries are responsible for the daily functioning and residents' welfare.

SARAMATI POST GRADUATE MEN'S HOSTEL

Saramati Post Graduate Men's Hostel was established in the year 2000 by North East Council, Ministry of Home Affairs, Govt. of India and University of Delhi, South Campus. It accommodates 130 residents.

During the year 2014-15 internet facility is modernized to provide faster and more secure network using the state of art Wi-Fi infrastructure. Latest computers and wireless network system have been installed to provide online internet/intranet connectivity to all the residents.

UNDER GRADUATE HOSTEL FOR GIRLS

The hostel was established in October 2012. The hostel is aesthetically designed in a wide campus with 7 blocks with a total of 344 rooms on double occupancy.

Independence Day, Republic Day, Diwali, Christmas, Lohri and Holi were celebrated in the Hostel.

The Freshers' and Farewell functions were also organized by the residents.

UNIVERSITY HOSTEL FOR WOMEN

Established in the year 1973, University Hostel for Women (UHW) is an important landmark of the University of Delhi. The Hostel has a capacity of 320 seats for post graduate & research women hailing from various parts of the country and abroad, and provides ample opportunities and occasions for the blossoming of the resplendent spirit of womanhood. Due to renovation, no new admissions have been taken since 2012.

It has always been in the tradition of UHW to hold several functions and celebrations but due to renovation of hostel all festivals were not celebrated. However, the hostel with limited occupancy organized the following celebrations;

Independence Day: The University hostel for women residents joined the country in its celebration of Independence Day by singing National Anthem and other patriotic songs. It was followed by an inspiring speech.

Republic Day: The celebrations began with a flag hoisting by the Provost of the Hostel, followed by the singing of National anthem and other patriotic songs by the residents and karamcharis. The ceremony concluded with a motivating speech by our Provost and distributing flags and sweets.

Swachhha Bharat Abhiyaan: In accordance with the Swachhh Bharat Abhiyan programme announced by the Honourable Prime Minister and as part of the Drive initiated by the University of Delhi for contributing towards the implementation of the vision of the Prime Minister, University Hostel for Women (UHW) took initiative and participated in the programme. The pledge was administered by the Provost to keep the premises and surrounding area clean. Provost, Warden and the entire hostel staff and the few residents (admitted prior to 2012) participated in the cleanliness Drive.

V.K.R.V. RAO HOSTEL

The V. K. R. V. Rao Hostel named after Late Professor Dr. V.K.R.V. Rao, was established in 1999. It accommodates 108 residents.

The residents of the hostel celebrated all the National Days and festivals with gaiety and fervor to create an atmosphere of national integrity and cultural amalgamation at the premises. The session started with celebration of Independence day on 15th August with the hoisting of the tri-colour flag. Diwali saw much illumination on the premises. As a part of country and university wide campaign, the 'Swachha Bharat' campaign was launched on Gandhi Jayanti, with residents and staff taking the oath to keep the hostel and its surroundings clean. A reception function and dinner was organized to welcome new residents in the month of November. In February, the residents performed a ceremonial Saraswati Puja and organized a function of recital of hymns to evoke the goddess of learning. The residents celebrated other festivals also enthusiastically. The inmates organized their annual event UMANG on 1st April 2015. On this occasion, Spic Macay artists namely Nizami Brothers performed enchanting Qawwalis and regaled the audience with some Sufi music. Later on, the residents with their guests enjoyed the evening with a get-together over dinner. Resident Tutor, V.K.R.V. Rao Hostel together with some inmates and SEWA members took initiative to teach the hostel mess staff and make them literate. They were awarded certificates by the Dean, Faculty of Management Studies at the hostel annual function-*Umang*.

WUS UNIVERSITY HOSTEL

WUS University Hostel is residence for Women Teachers of the University, Visiting Teachers and Post-Doctoral Researchers, with a capacity of 18 Rooms. The Hostel was taken over by the University from the World University Services, in 1990. All the necessary facilities are available to the inmates.

UNIVERSITY FINANCE

Sr. No. Name of Statement

A. University of Delhi

- 1 Balance Sheet
- 2 Income and Expenditure Account
- 3 Schedule forming Part of Balance Sheet: Schedule 1,2,3,4,5,6,7,8
- 4 Schedule forming Part of Income & Expenditure : Schedule 9,10,11,12,13,14,15,16,17,18,19,20,21,22.
- 5 Significant Accounting Policies : Schedule 23
- 6 Contingent Liabilities and Notes on Accounts : Schedule 24
- 7 Receipts & Payments Account

B. Provident Fund Account

- 8 Consolidated Balance Sheet
- 9 Consolidated Income and Expenditure Account
- 10 Consolidated Receipts and Payments Account

C. University Press

- 11 Balance Sheet
- 12 Profit and Loss Account
- 13 Receipts and Payments Account

D. Halls and Hostels

- 14 Consolidated Balance Sheet
- 15 Consolidated Income and Expenditure Account
- 16 Consolidated Receipts and Payments Account

BALANCE SHEET AS AT 31ST MARCH, 2015

SOURCES OF FUNDS	Schedule	Amount in Rs.	
		Current Year	Previous Year
CORPUS/CAPITAL FUND	1	6990180640	6517073034
DESIGNATED/ EARMARKED/ ENDOWMENT FUNDS	2	4921753268	12781202113
CURRENT LIABILITIES & PROVISIONS	3	8541470803	747929032
TOTAL		20453404711	20046204179
APPLICATION OF FUNDS			
FIXED ASSETS			
Tangible Assets	4	1352882158	1371210979
Intangible Assets		7655275	31575
Capital Works-in-Progress		4015825877	4064422711
INVESTMENT FROM EARMARKED / ENDOWMENT FUNDS			
Long Term	5	195783000	195783000
Short Term			
INVESTMENT – OTHERS	6	-----	-----
CURRENT ASSETS	7	10274489001	10202065003
LOANS, ADVANCES & DEPOSITS	8	4606769400	4212690911
TOTAL		20453404711	20046204179
Significant Accounting Policies	23		
Contingent Liabilities and Notes on Accounts	24		

INOCME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2015

Particulars	Schedule	Amount in Rs.	
		Current Year	Previous Year
<u>INCOME</u>			
Academic Receipts	9	955976585	964243244
Grants / Subsidies	10	4902810857	4377386000
Income from investments	11	26727341	32007974
Interest earned	12	13222694	16093868
Other Income	13	92832495	98617502
Prior Period Income	14	-----	-----
TOTAL (A)		5991569972	5488348588
<u>EXPENDITURE</u>			
Staff Payments & Benefits (Establishment expenses)	15	3481940216	3050745545
Academic Expenses	16	424901368	317843213
Administrative and General Expenses	17	1133635252	1235851634
Transportation Expenses	18	5149419	5269188
Repairs & Maintenance	19	175957757	150792162
Finance costs	20	418815	239908
Depreciation	4	331913994	362647329
Expenditure on Grants, Subsidies etc.	21	238399353	94724348
Prior Period Expenses	22		
TOTAL (B)		5792316174	5218113327
Balance being excess of Income over Expenditure (A- B)		199253798	270235261
Transferred to / from Designated Fund			
Building Fund			
Other (Specify)			
Balance Being Surplus/(Deficit) Carried to Capital Fund		199253798	270235261
Significant Accounting Policies	23		
Contingent Liabilities and Notes on Accounts	24		

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 1 - CAPITAL FUND	Amount in Rs.	
	Current Year	Previous year
Balance at the beginning of the year	6517073034	5949909944
Add: Contributions towards Corpus/Capital Fund - Plan A/c		
Add: Contributions towards Corpus/Capital Fund	-----	-----
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure		
(a) Plan Accounts	133193972	
(b) Non-Plan Accounts	114607103	247801075
Add: Assets Purchased out of Earmarked Funds		
(a) Plan Accounts	-----	223142047
(b) Miscellaneous Accounts	7819228	42206932
(c) Other Earmarked Funds	8741780	19630854
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution		284979833
Add: Assets Donated/Gifts Received	629	3196
Add: Assets of Project Closed	11195469	13197698
Add: Other Additions	2757	-----
	11198855	13200894
Less: Adjustment related to Earmarked Fund	(1200000)	-----
Less: W.D.V. of assets disposed off during the year	(507130)	(1252898)
Add: Excess of Income over expenditure transferred from the Income & Expenditure Accounts	199253798	270235261
	197546668	268982363
Balance at the year end	690180640	6517073034

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

**SCHEDULE 2 -
DESIGNATED/EARMARKED/ENDOW
MENT FUNDS**

Amount in Rs.

Particulars	Funds wise Breakup					Total	
	Misc. A/c	Publication	Endowment Funds	Admission Processing Charges	Other Earmarked	Current Year	Previous Year
A.							
a) Opening balance	343911985	4478178	511795898	93276	3421762325	4282041663	10351761518
b) Additions during the year	91532504	-----	-----	-----	63318793	154851297	-----
c) Income from investments made of the funds	6773732	125345	37658613	-----	151599828	196157518	314079501
d) Accrued Interest on investments/Advances	19072235	76774	13730693	-----	115843414	148723116	180697006
e) Interest on Savings Bank a/c	2494375	83698	1719918	3706	19218344	23520041	-----
f) Other additions (Specify nature)	11878107	-----	102901750	-----	420338930	535118787	4859080753
Total(A)	475662938	4763995	667806872	96982	4192081634	5340412422	15705618778
B.							
Utilization/Expenditure towards objectives of funds							
i) Capital Expenditure	7819228	-----	-----	-----	8741780	16561008	491877213
ii) Revenue Expenditure	80588876	-----	11118268	-----	310391002	402098146	2432539452
Total(B)	88408104	-----	11118268	-----	319132782	418659154	2924416665
Closing balance at the year-end (A-B)	387254834	4763995	656688604	96982	3872948852	4921753268	12781202113
Represented by							
Cash And Bank Balances							
Current Accounts	1334039	-----	-----	-----	-----	1334039	74496069
Saving Accounts	22816842	787221	20874911	96982	466503968	511079925	2155418063
Investments	26000000	100000	134500000	-----	35100000	195700000	195700000
Fixed Deposit	323820261	3800000	487500000	-----	3103485313	3918605574	6602722684
Interest accrued but not due	27945870	76774	13730693	-----	175545216	217298553	226460446
Shares	-----	-----	83000	-----	-----	83000	83000
Other Loan & Advances	4694822	-----	-----	-----	62091601	66786423	3458818100
Loan from UDF to Misc.	(20000000)	-----	-----	-----	20000000	-----	-----
LC Margin	643000	-----	-----	-----	-----	643000	59543597
Electricity Deposits	-----	-----	-----	-----	9409500	9409500	9409500
TDS's Refundable	-----	-----	-----	-----	813254	813254	813254
Grant not pertaining to Plan A/c	-----	-----	-----	-----	-----	-----	(2262600)
Total	387254834	4763995	656688604	96982	3872948852	4921753268	12781202113

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 2A - ENDOWMENT FUNDS

Amount in Rs.

1. Sr. No.	2. Name of the Endowment	Opening Balance		Additions during the Year		Total		9 Expenditure on the object during the year	Closing Balance		Total (10+11)
		3. Endowment	4. Accumulated Interest	5. Endowment	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)		10. Endowment	11. Accumulated Interest	
1	Sir Shankar Lal Instt. Of Music (298355)	2257725	0	0	147957	2257725	147957	74055	2257725	73902	
2	Shri Sri Ram Chair in physic (298399)	7037749	0	0	606774	7037749	606774	125	7037749	606649	7644398
3	Shri Shankar Lal Chair in Chemistry (298402)	7872989	0	0	686714	7872989	686714	63	7872989	686651	8559640
4	IFC Chair in Faculty of Mgmt. studies (298683)	13817970	0	0	1348760	13817970	1348760	56	13817970	1348704	15166674
5	SP Jain Advanced Mgmt. Research (299041)	1951468	0	0	118341	1951468	118341	250	1951468	118091	2069559
6	Pt. Man Mohan Nath Dhar (298956)	1265507	0	0	104734	1265507	104734	0	1265507	104734	1370241
7	Professorship in Economics (298741)	12961431	0	0	1129056	12961431	1129056	0	12961431	1129056	14090487
8	Publication of Orient Insect (299416)	550899	0	0	37733	550899	37733	0	550899	37733	588632
9	DU Endowment Fund (299733)	177028532	0	2901750	14796701	179930282	14796701	3781629	179930282	11015072	190945354
10	Pt. Man Mohan Krishnan Kaul (299880)	1523632	0	0	115126	1523632	115126	176	1523632	114950	1638581
11	Book grant RTL (300228)	274306203	0	0	26126921	274306203	26126921	7261851	274306203	18865070	293171272
12	DU Amway Professorship in Enter. Dev. (300705)	11221794	0	0	952699	11221794	952699	0	11221794	952699	12174493
13	Cluster Innovation Centre Corpus Fund	0	0	100000000	6937709	100000000	6937709	63	100000000	6937646	106937646
	Total	511795898	0	102901750	53109225	614697648	53109225	11118268	614697648	41990957	656688604

Notes

- The total of Coolum's 3 & 4 will appear as the Opening Balance in the Column "Endowment Funds" in Schedule2, of Earmarked Funds forming part of the Balance Sheet.
- The total of Col.9 should normally be less than the total of Col. 8, as only the interest is to be used for the expenditure on the object of the endowments. (except Endowments for Chairs)
- There should not normally be a debit balance in the schedule. If in a rare case, there is a debit balance against any of the Endowment Funds, the debit balance should appear on the Assets side of the Balance Sheet as "Receivables", in Schedule-8 Loans, Advances & Deposits.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS	Amount in Rs.	
	Current year	Previous Year
A. CURRENT LIABILITIES		
1. Deposits from staff	----	----
2. Deposits from students	----	----
3. Sundry Creditors		
a) For Goods	15385469	29177062
b) Others	----	----
4. Deposit-others (including EMD ,Security Deposit)	378068	378068
5. Statutory Liabilities (GPF,TDS,WC TAX,CPF,GIS,NPS)		
a) Other Bodies Transaction	1428917	501322
b) Duties & taxes	5132	277194
6. Other Current Liabilities		
a) Salaries	----	----
b) Receipts against Sponsored Projects	1200300810	----
c) Receipts against Sponsored Fellowships & Scholarships	80676441	----
d) Unutilized Grants	7156385397	----
e) Amount Refundable to UGC	14784938	13579284
f) Grants in advance	----	643917000
g) Other funds	66757739	54228968
h) ACBR Liabilities	----	748255
i) Other liabilities	3531680	2262600
Total (A)	8539634591	745069753
B. Provisions		
1. For Taxation	----	----
2. Gratuity	----	----
3. Superannuation Pension	----	----
4. Accumulated Leave Encashment	----	----
5. Trade Warranties/Claims	----	----
6. Others (Specify)/Expenses Payable	1836212	2859279
Total (B)	1836212	2859279
Total (A+B)	8541470803	747929032

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

**SCHEDULE - 3 (a) SPONSORE
PROJECTS**

Amount in Rs.

1. Sr. No.	2. Name of the Project	Opening Balance		5. Receipts/Recoveries during the year		6. Total	7. Expenditure during the year	Closing Balance	
		3. Credit	4. Debit	8. Credit	9. Debit				
1	Research Scheme A/c (298650)	407865243		267097649		674962892	244874276	430088616	
2	IASE Scheme A/c (Edu.) (295853)	2748648		1660700		4409348	1871795	2537553	
3	Research Scheme A/c (SDC)(546386)	426196228		362449445		788645673	201921398	586724275	
4	B.R.A. Project A/c (298264)	37677573		33533669		71211242	40097959	31113283	
5	Young Research Scientist A/c (298593)	106416523		90545583		196962106	67739602	129222504	
6	CEMDE\Bio-Diversity Park (DDA)	9938545		44889476		54828021	34213442	20614579	
Total		990842760		800176522		1791019282	590718472	1200300810	

1. The Projects may be listed agency-wise, with sub-totals for each agency.
2. The total of Col. (credit) will appear under the above head on the liabilities side of the Balance Sheet (Schedule 3).
3. The total of Col. 9 (Debit) will appear as Receivables in Schedule 8, Loans, Advances and Deposits, on the Assets side of the Balance Sheet.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 3(b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

1 Sr. No.	2.Name of Sponsor	Amount in Rs.							
		Opening Balance As on 01.04.14		Transactions During the year		Closing Balance As On 31.03.15			
		3	4	5	6	7	8		
		CR.	DR.	CR.	DR.	CR.	DR.		
1	CSIR Fellowship (298413)	79157214		17081702	60674626	35564290			
2	UGC Fellowship (298560)	67487336		173740213	218992071	22235478			
3	Other Bodies Scholarship (298707)	12823982		32741154	28541252	17023884			
4	CSIR Fellowship (SDC) (545269)	799146		18000000	16859336	1939810			
5	UGC Fellowship (SDC) (545258)	1943083		13067346	11097450	3912979			
Total		162210761		254630415	336164735	80676441			

Note:

1. The total of Column 7, (Credit) will appear under the above head, on the liabilities side of the Balance Sheet (Schedule 3).
2. The total of Column 8 (Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8 (Loans, Advances and Deposits).

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 3(c) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

	Amount in Rs.	
	Current Year	Previous Year
A. Plan grants: Government of India		
Balance B/F		
Add: Receipts during the year		
Total(a)	0	0
Less: Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital Expenditure		
Total (b)	0	0
Unutilized carried forward (a-b)	0	0
B. UGC grants Plan		
Balance B/F	7346106930	0
Add: Receipts during the year	381134399	0
Total(c)	7727241329	0
Less: Refunds		
Less: Utilized for Revenue Expenditure	437661960	0
Less: Utilized for Capital Expenditure	133193972	0
Total (d)	570855932	0
Unutilized carried forward (c-d)	7156385397	0

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

Amount in Rs.

C. UGC Grants non-Plan		
Balance B/F		
Add: Receipts during the year	4579756000	0
Total(e)	4579756000	0
Less: Refunds		
Less: Utilized for Revenue Expenditure	4461845758	0
Less: Utilized for Capital Expenditure	117910242	0
Total (f)	4579756000	0
Unutilized carried forward (e-f)	0	0
D. Grants from State govt.		
Balance B/F	0	0
Add: Receipts during the year	0	0
Total(g)	0	0
Less: Refunds		
Less: Utilized for Revenue Expenditure	0	0
Less: Utilized for Capital Expenditure	0	0
Total (h)	0	0
Unutilized carried forward (g-h)	0	0
Grand Total(A+B+C+D)	7156385397	0

Notes:-

Unutilized grants includes advances on Capital Account

Unutilized grants include grants received in advance for the next year

Unutilized grants are represented on the Assets side by Bank balances, Short term Deposits with Banks and Advances on Capital Account

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 4 - FIXED ASSETS

Amount in Rs.

Sr. No.	Assets Heads	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
1	Land		19716892	0	0	19716892	0	19716892	19716892
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	668026707	87229234	0	755255941	37762797	717493144	668026707
4	Roads & Bridges		0	0	0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	259169711	34098573	321397	292946887	58589377	234357510	259169711
9	Scientific & Laboratory Equipment	40%	187522145	39064446	28503	226558088	90623235	135934853	187522145
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	132135	114379	0	246514	123257	123257	132135
12	Computers & Peripherals	40%	93875135	66113763	110668	159878230	63951292	95926938	93875135
13	Furniture, Fixtures & Fittings	25%	98676858	38729179	46562	137359475	34339869	103019606	98676858
14	Sports Equipment	50%	89533	111148	0	200681	100341	100341	89533
15	Vehicles	25%	3043396	99435	0	3142831	785708	2357123	3043396
16	Lib. Books & Scientific Journals	50%	40958467	40126521	0	81084988	40542494	40542494	40958467
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		0	3310000	0	3310000	0	3310000	0
Total (A)			1371210979	308996679	507130	1679700528	326818370	1352882158	1371210979
19	Capital Work in Progress (B)		4064422711	5037256	53634090	4015825877	0	4015825877	4064422711
Sr.No	Intangible Assets	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
20	Computer Software	40%	0	12719324	0	12719324	5087730	7631594	0
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	31575	0	0	31575	7894	23681	31575
Total (C)			31575	12719324	0	12750899	5095624	7655275	31575
Grand Total (A+B+C)			5435665265	326753259	54141220	5708277304	331913994	5376363310	5435665265
Previous year (2013-14)			5403953268	395656255	1296929	5798312594	362647329	5435665265	

Note: The figure in Column 'Deductions' under Gross Block against the head Capital Work in Progress represents the transfer from Work in Progress to Assets during the year.

The figure in Column 'Additions during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 4A - PLAN

										Amount in Rs.
Sr. No	Assets Heads	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014	
1	Land			0	0	0	0	0	0	
2	Site Development/Minor work			0	0	0	0	0	0	
3	Buildings	5%	197464515	77800909	0	275265424	13763271	261502153	197464515	
4	Roads & Bridges			0	0	0	0	0	0	
5	Tube wells & Water Supply			0	0	0	0	0	0	
6	Sewerage & Drainage			0	0	0	0	0	0	
7	Electrical installation and equipment			0	0	0	0	0	0	
8	Plant & Machinery	20%	137934232	13461879	0	151396111	30279222	121116889	137934232	
9	Scientific & Laboratory Equipment	40%	116561126	21979288	0	138540414	55416166	83124248	116561126	
10	Office Equipment			0	0	0	0	0	0	
11	Audio Visual Equipment	50%	99137	108650	0	207787	103894	103893	99137	
12	Computers & Peripherals	40%	61160310	39605712	0	100766022	40306409	60459613	61160310	
13	Furniture, Fixtures & Fittings	25%	32126646	20797201	0	52923847	13230962	39692885	32126646	
14	Sports Equipment	50%	0	0	0	0	0	0	0	
15	Vehicles	25%	976781	0	0	976781	244195	732586	976781	
16	Lib. Books & Scientific Journals	50%	5700324	4288154	0	9988478	4994239	4994239	5700324	
17	Small Value Assets			0	0	0	0	0	0	
18	Work of Art			0	1310000	1310000	0	1310000	0	
Total (A)			552023071	179351793	0	731374864	158338358	573036506	552023071	
19	Capital Work in Progress (B)		850644003	5037256	51385077	804296182	0	804296182	850644003	
Sr. No	Intangible Assets	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortizatio n for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014	
20	Computer Software	40%	0	0	0	0	0	0	0	
21	E-journals	25%	0	0	0	0	0	0	0	
22	Patents	25%	0	0	0	0	0	0	0	
Total (C)			0	0	0	0	0	0	0	
Grand Total (A+B+C)			1402667074	184389049	51385077	1535671046	158338358	1377332688	1402667074	

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 4B - NON PLAN

Amount in Rs.

Sr. No.	Assets Heads	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
1	Land		19716892	0	0	19716892	0	19716892	19716892
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	381086829	8981207	0	390068036	19503402	370564634	381086829
4	Roads & Bridges		0	0	0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	84738774	14588880	321397	99006257	19801251	79205006	84738774
9	Scientific & Laboratory Equipment	40%	25399912	5032381	28503	30403790	12161516	18242274	25399912
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	21394	0	0	21394	10697	10697	21394
12	Computers & Peripherals	40%	27319879	22061696	110668	49270908	19708363	29562545	27319879
13	Furniture, Fixtures & Fittings	25%	55438583	15313110	46562	70705130	17676283	53028847	55438583
14	Sports Equipment	50%	88789	111148	0	199937	99969	99968	88789
15	Vehicles	25%	2066615	99435	0	2166050	541513	1624537	2066615
16	Lib. Books & Scientific Journals	50%	33537669	35699922	0	69237591	34618796	34618795	33537669
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		0	0	0	0	0	0	0
Total (A)			629415336	101887779	507130	730795984	124121790	606674195	629415336
19	Capital Work in Progress (B)		1239013	0	1239013	0	0	0	1239013
Sr. No.	Intangible Assets	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
20	Computer Software	40%	0	12719324	0	12719324	5087730	7631594	0
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	31575	0	0	31575	7894	23681	31575
Total (C)			31575	12719324	0	12750899	5095624	7655275	31575
Grand Total of Current year (A+B+C)			630685924	114607103	1746143	743546883	129217414	614329470	630685924

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 4 C - INTANGIBLE ASSETS

									Amount in Rs.
Sr. No.	Assets Heads	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation/Amortization for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
1	Patents & Copyrights	----	----	----	----	----	----	----	----
2	Computer Software	----	----	----	----	----	----	----	----
3	E-Journals	----	----	----	----	----	----	----	----

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

						Amount in Rs	
SCHEDULE 4(C) (I) PATENTS AND COPYRIGHTS		Op. Balance	Addition	Gross	Amortization	Net Block 20....	Net Block 20....
A. Patents Granted							
1. Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs.../-)		----	----	----	----	----	----
2. Balance as on 31.03.14 of Patents obtained in 2010-11 (Original Value - Rs.../-)		----	----	----	----	----	----
3. Balance as on 31.03.14 of Patents obtained in 2012-13 (Original Value - Rs.../-)		----	----	----	----	----	----
4. Patents granted during the Current Year		----	----	----	----	----	----
Total		----	----	----	----	----	----
Particulars		Op. Balance	Addition	Gross	Patents Granted/Rejected	Net Block 2013-14	Net Block 2012-13
A. Patents Pending in respect of Patents applied for							
1. Expenditure incurred during 2009-10 to 2011-12		----	----	----	----	----	----
2. Expenditure incurred during 2012-13		----	----	----	----	----	----
3. Expenditure incurred during 2013-14		----	----	----	----	----	----
Total		----	----	----	----	----	----
C. Grand Total (A+B)		----	----	----	----	----	----

Note : The Addition in Part A (Patents granted), will be the figure of patents granted during the year, transferred from Part B (column-Patents Granted/rejected). The amount against grants rejected during the year is written off in the income and Expenditure Account

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 4D - OTHERS

Amount in Rs									
Sr. No	Assets Heads	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
1	Land		0	0	0	0	0	0	0
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	89475363	447118	0	89922481	4496124	85426357	89475363
4	Roads & Bridges		0	0	0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	36496705	6047814	0	42544519	8508904	34035615	36496705
9	Scientific & Laboratory Equipment	40%	45561107	12052777	0	57613884	23045554	34568330	45561107
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	11604	5729	0	17333	8667	8666	11604
12	Computers & Peripherals	40%	5394946	4446355	0	9841301	3936520	5904781	5394946
13	Furniture, Fixtures & Fittings	25%	11111629	2618868	0	13730497	3432624	10297873	11111629
14	Sports Equipment	50%	744	0	0	744	372	372	744
15	Vehicles	25%	0	0	0	0	0	0	0
16	Lib. Books & Scientific Journals	50%	1720474	138445	0	1858919	929460	929459	1720474
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		0	2000000	0	2000000	0	2000000	0
Total (A)			189772572	27757106	0	217529678	44358225	173171453	189772572
19	Capital Work in Progress (B)		3212539695	0	1010000	3211529695	0	3211529695	3212539695
Sr. No	Intangible Assets	Rate of Dep.	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2015	W.D.V. as at 31.03.2014
20	Computer Software	40%	0	0	0	0	0	0	0
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	0	0	0	0	0	0	0
Total (C)			0	0	0	0	0	0	0
Grand Total (A+B+C)			3402312267	27757106	1010000	3429059373	44358225	3384701148	3402312267

Note: The additions during the year include addition from :

Gifted	629
Project Close	11195469
Earmarked Funds	16561008
Total	27757106

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

SCHEDULE 5 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	Amount in Rs.	
	Current Year	Previous Year
1. In Central Government Securities	195700000	195700000
2. In State Government Securities	----	----
3. Other approved Securities	----	----
4. Shares	83000	83000
5. Debentures and Bonds	----	----
6. Term Deposits with Banks	----	----
7. Others (to be specified)	----	----
Total	195783000	195783000

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

**SCHEDULES 5 (A) INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS
(FUNDS WISE)**

Sl. No.	Funds	Amount in Rs.	
		Current Year	Previous Year
1	Misc. Accounts - Govt. Securities	26000000	26000000
2	Publications - Govt. Securities	100000	100000
3	Endowment Fund - Govt. Securities	134500000	134500000
4	Other Earmarked Fund - Govt. Securities	35100000	35100000
5	Endowment Fund - Shares	83000	83000
Total		195783000	195783000

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

	Amount in Rs.	
SCHEDULE 6 - INVESTMENT -OTHERS	Current Year	Previous Year
1. In Central Government Securities		
2. In State Government Securities	----	----
3. Other approved Securities	----	----
4. Shares	----	----
5. Debentures and Bonds	----	----
6. Other (to be specified)	----	----
TOTAL	----	----

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

	Amount in Rs.	
<u>SCHEDULE 7 - CURRENT ASSETS</u>	Current Year	Previous Year
1. Stock		
a) Stores and Spares	----	----
b) Loose Tools	----	----
c) Publication	----	----
d) Laboratory Chemicals, Consumables and glass ware	----	----
e) Building Material	----	----
f) Electrical Material	----	----
g) Stationery	----	----
h) Water supply material	----	----
2. Sundry Debtors :		
a) Others Outstanding for a period exceeding six months	----	----
b) Others	----	----
3. Cash and Bank Balance		
a) With Scheduled Banks :		
-In Current Accounts	192009972	176227476
-In Term Deposit Accounts	7219616295	6828824844
-In Savings Accounts	2861835734	3196004183
b) With non-Scheduled Banks :		
-In Term Deposit Accounts	----	----
-In Savings Accounts	----	----
c) Cash Balance in hand (including cheques\drafts) :	1027000	1008500
4. Post Office Savings Accounts	----	----
TOTAL	10274489001	10202065003

Note : Annexure "A" shows the details of Bank Accounts

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

		Amount in Rs.	
I	Current Account	Current Year	Previous Year
1	B R Ambedkar Centre General Fund A/c	11,976	9,645
2	ICICI Bank A/c	11,231,914	10,801,639
3	SBI Law Centre II	1,246,193	3,342,881
4	SBI MG I	60,898,115	33,147,676
5	SBI MG II	321,823	28,909,118
6	SBI MG III	43,508,862	13,514,263
7	SDC Examination A/c	7,355,075	8,613,577
8	SDC General Fund A/c	3,590,845	3,392,607
9	Sponsored Project Bank A/c	2,537,553	-----
10	Plan Current A/c	59,973,576	-----
11	Current A/c's of Earmarked Fund	1,334,039	74,496,069
		192,009,972	176,227,476
II	Savings Bank Accounts		
1	External Candidate Cell A/c	5,002,054	1,898,255
2	NCWEB A/c	2,102,710	(14,782,614)
3	SBI Departmental Receipt A/c	5,140,817	9,919,311
4	SBI General Fund A/c	926,248,441	1,032,804,033
5	SBI Medical Reimbursement A/c	7,133,079	10,115,817
6	Sponsored Project Bank A/c	286,725,178	-----
7	Sponsored Fellowship and Scholarship	52,780,432	-----
8	Plan Savings A/c	1,065,434,138	-----
9	Savings A/c's of Earmarked Fund	511,079,925	2,155,418,063
10	CPF Account refundable to UGC	188,960	631,317
		2,861,835,734	3,196,004,183
III	Term Deposit Accounts		
1	FDR from Earmarked Fund	3,919,248,574	6,662,266,281
2	FDR from UGC Refundable A/c	14,400,000	12,744,000
3	FDR from ACBR A/c	709,802	-----
4	FDR from Social Work A/c	2,660,351	-----
5	FDR's from Maintenance Grants	-----	153,814,563
6	Sponsored Project Bank A/c	737,932,971	-----
7	Sponsored Fellowship and Scholarship	27,000,000	-----
8	FDR From Plan A/c (including margin money)	2,517,664,597	-----
		7,219,616,295	6,828,824,844

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015

	Amount in Rs.	
SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS	Current Year	Previous Year
1. Advances to employees (Non-interest bearing)		
a) Salary	----	----
b) Festival	1252353	821372
c) Medical Advance	----	565800
d) Leave Travel Concession	2526270	8761812
e) Other (to be specified)	----	----
2. Long Term Advances to employees (Interest bearing)		
a) Vehicle Loan/Conv./Computer	1504599	1768641
b) Home Loan/HBA	3777905	6231915
c) Others (to be specified)	----	----
3. Advances and other amounts recoverable in cash or in kind or for value to be received		
a) On Capital Account	----	----
b) to Suppliers	----	----
c) Delhi University Pension Accounts	2980000	2980000
d) Delhi University Press	17395000	17395000
e) Sir Shankar Lal Chair in Chemistry Fund A/c	1100000	1100000
f) Other Advance out of Earmarked Funds	61503919	3450817544
g) Other Advance out of Maintenance Grant A/c	532398249	418917428
h) Other Advances out of Sponsored Projects	129821226	----
i) Advance from Plan A/c	3381092587	----
j) Others	867417	837682
4. Prepaid Expenses		
a) Insurance	----	----
b) Other Expenses	51810275	54816635
5. Deposits		
a) Telephone	----	----
b) Electricity	20794500	20789700
c) AICTE, if applicable	----	----
d) DESU (Security)	4795	4795
e) Others	502373	----
6. Income Accrued:		
a) On Investments from Earmarked/Endowment Funds	217298553	226460446
b) On Investments from ACBR/ UGC Refundable A/c	263111	422141
c) On Investments from Sponsored Projects	43283881	----
d) On Investments from Sponsored Fellowship and Scholarship	896009	----
e) On Investments from Plan	135696379	----
f) On Loans and Advances	----	----
g) Others (includes income due unrealized)	----	----
7. Other - Current assets receivable from UGC/sponsored projects		
a) Debit balances in Sponsored Projects	----	----
b) Debit balances in Sponsored Fellowships & Scholarships	----	----
c) Grants Receivable	----	----
d) Other receivables from UGC	----	----
8. Claims Receivable	----	----
TOTAL	4606769400	4212690911

Note: if revolving funds have been created from House Building, Computer and Vehicle advances to employees, the advances will appear as part of Earmarked/Endowment Funds, The balance against these interests – bearing advances will not appear in this schedule.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

	Amount in Rs.	
	Current Year	Previous Year
SCHEDULE - 9 ACADEMIC RECEIPTS		
FEES FROM STUDENTS		
Academic		
1. Tuition fee	11626254	12868131
2. Admission Fee	19308858	28304181
3. Enrolment fee	32961333	113765901
4. Library Admission fee	733979	650663
5. Laboratory fee	113440	308052
6. Sports and Athletic Association Fee	8681460	10116676
7. Computer Fee	239000	227000
8. Arts & Craft Fee	----	----
9. Registration fee	----	----
10. Syllabus fee	----	----
11. Other Fees	15644023	10923770
Total (A)	89308347	177164374
Examinations		
1. Admission test fee	----	----
2. Annual Examination fee	784137855	677328402
3. Mark sheet, certificate fee	15163880	11970420
4. Entrance examination fee	49062166	68556586
Total (B)	848363901	757855408
Other Fees		
1. Identity card fee	----	----
2. Fine/Miscellaneous fee	----	----
3. Medical fee	----	----
4. Transportation fee	----	----
5. Hostel fee	----	----
Total (C)	0	0
Sale of Publications		
1. Sale of Admission forms	----	----
2. Sale of syllabus and Question Paper, etc.	----	----
3. Sale of prospectus including admission forms	18304337	29223462
Total (D)	18304337	29223462
Other Academic Receipts		
1. Registration fee for workshops, programs	----	----
2. Registration fees (Academic Staff College)	----	----
Total (E)	0	0
GRAND TOTAL (A+B+C+D+E)	955976585	964243244

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE 10- GRANTS/SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Amount in Rs.

Particulars	Govt. of India	Plan	UGC Specific Schemes	Total Plan	Non Plan UGC	Current Year Total	Previous Year Total
		Plan					
Balance B/F		7346106930		7346106930		7346106930	
Add: Receipts during the year		381134399	0	381134399	4579756000	4960890399	4377386000
Total		7727241329	0	7727241329	4579756000	12306997329	4377386000
Less : Refund to UGC Balance				0		0	0
Less : Utilized for Capital expenditure (A)		133193972		133193972	114607103	247801075	0
Balance		7594047357	0	7594047357	4465148897	12059196254	4377386000
Less: utilized for Revenue Expenditure (B)		437661960	0	437661960	4465148897	4902810857	0
Balance C/F (C)	-	7156385397	0	7156385397	0	7156385397	4377386000

A- Appears as addition to Capital Fund as well as additions to Fixed Assets during the year.

B- Appears as income in the Income & Expenditure Account.

C- (I) Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.

(II) Represented by Bank balances, Investments and Advances on the assets side.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE 11- INCOME FROM INVESTMENTS	Amount in Rs.			
	Earmarked/Endowment Funds		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest				
a. On Government Securities	----	----	----	----
b. Other Bonds/Debentures	----	----	----	----
2. Interest on Term Deposits	----	----	26727341	32007974
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees.	----	----	----	----
4. Interest on Saving Bank Accounts	----	----	----	----
5. Others (Specify)	----	----	----	----
Total	-	-	26727341	32007974
Transferred to Earmarked/Endowment Funds	-	-		

Note: Interest accrued but not due on Term Deposits from HBA Fund, conveyance advance fund and Computer Advance fund and on interest bearing advances to employees will be included here (Item 3), only where Revolving funds (EMF) for such advances have been set up.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE 12 - INTEREST EARNED	Current Year	Amount in Rs. Previous Year
1. On Savings Accounts with scheduled banks	13222694	16093868
2. On Loans		
a. Employee/Staff	----	----
b. Others	----	----
3. On Debtors and Other Receivables	----	----
Total	13222694	16093868

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE 13 - OTHER INCOME

	Amount in Rs.	
	Current Year	Previous Year
A. Income from Land & Building		
1. Rent from Building/Land etc.	13753253	5377761
2. License fee	9526158	10044737
3. Hire Charges of Auditorium/Playground/Convention Centre, etc.	----	----
4. Electricity charges recovered	----	----
5. Water charges recovered	----	----
Total (A)	23279411	15422498
B. Sale of Institute's publications		
C. Income from holding events		
1. Gross Receipts from annual function/sports carnival	----	----
Less : Direct expenditure incurred on the annual function/sports carnival		
2. Gross Receipts from fetes	----	----
Less : Direct expenditure incurred on the fetes		
3. Gross Receipts for educational tours	----	----
Less : Direct expenditure incurred on the tours		
4. Others (to be specified and separately disclosed)	----	----
Total (C)		
D. Others		
1. Income from consultancy	----	----
2. RTI fee	190797	95392
3. Income from Royalty	----	----
4. Sale of application form (recruitment)	9200	4807440
5. Misc. receipts (Sale of tender form, waste paper, etc.)	3542202	3674554
6. Profit on Sale/disposal of Assets		
a) Owned assets	----	3346860
b) Assets received free of cost	----	----
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations	----	----
8. Health Centre Contribution	31502492	29734022
9. Leave Salary & Pension Contribution	14408400	11325809
10. Others (Specify)	19899993	30210927
Total (D)	69553084	83195004
GRAND TOTAL (A+B+C+D)	92832495	98617502

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE 14- PRIOR PERIOD INCOME

Particulars	Amount in Rs.	
	Current Year	Previous Year
1. Academic Receipts	-----	-----
2. Income from Investments	-----	-----
3. Interest earned	-----	-----
4. Other Income	-----	-----
Total	-----	-----

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE - 15 STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

<u>Particulars</u>	<u>Amount in Rs.</u>					
	<u>Current Year</u>			<u>Previous Year</u>		
	<u>Plan</u>	<u>Non Plan</u>	<u>Total</u>	<u>Plan</u>	<u>Non Plan</u>	<u>Total</u>
a) Salaries and Wages						
Teaching staff	71341714	1177706402	1249048116	----	963918437	963918437
Non-Teaching staff	14276438	818264285	832540723	----	748441590	748441590
Lower Subordinate staff	755025	231393892	232148917	----	247748307	247748307
b) Allowances and Bonus	----	4701566	4701566	----	5045466	5045466
c) Contribution to Provident Fund	2178412	4874551	7052963	----	5332813	5332813
d) Contribution to other funds (specify)	----	----	0	----	----	0
e) Staff Welfare Expenses (Liveries)	----	950609	950609	----	1629652	1629652
f) Retirement and Terminal Benefits	----	955278556	955278556	----	882535197	882535197
g) LTC facility	61710	29131306	29193016	----	32733855	32733855
h) Medical facility	----	102041852	102041852	----	102495617	102495617
i) Children Education Allowance	45000	11309925	11354925	----	10071062	10071062
j) Honorarium	245660	57383313	57628973	----	50793549	50793549
k) Others	----	----	0	----	0	0
Total	88903959	3393036257	3481940216	0	3050745545	3050745545

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFIT

				Amount in Rs.
	Pension	Gratuity	Leave Encashment	Total
Opening Balance as on 01.04.14				
Addition : Capitalized value of Contributions Received from other Organizations Total (a)				
Less: Actual Payment during the Year (b)	752511794	95767139	76657441	924936374
Balance Available on 31.03.15 c (a-b)				
Provision required on 31.03.15 as per Actuarial Valuation (d)				
A. Provision to be made in the Current year (d-c)				
B. Contribution to New Pension Scheme	-----	-----	-----	30192182
C. Medical Reimbursement to Retired Employees	-----	-----	-----	-----
D. Travel to Hometown on Retirement	-----	-----	-----	-----
E. Deposit Linked Insurance Payment	-----	-----	-----	150000
TOTAL (A+B+C+D+E)	752511794	95767139	76657441	955278556

Note:

1. The total (A+B+C+D+E) in this sub schedule will be the figure against Retirement and Terminal Benefits in Schedule 15.
2. Items B,C,D&E will be accounted on accrual basis and will included bills preferred but outstanding but outstanding for payment on 31/3/15

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

Amount in Rs.						
SCHEDULE 16 - ACADEMIC EXPENSES	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Laboratory expenses	17389414	15756564	33145978	----	15020245	15020245
b) Field work/Participation in Conferences	222023	----	222023	----	----	0
c) Expenses on Seminars/Workshops	3820710	3163320	6984030	----	676640	676640
d) Award and Scholarships	----	531862	531862	----	554182	554182
e) Academic Expenses	----	3494242	3494242	----	32501008	32501008
d) Payment to visiting faculty	78641	----	78641	----	----	0
e) Examination	102199	272095556	272197755	----	260152639	260152639
f) Refund of Fees	----	940618	940618	----	1405872	1405872
g) Entrance Exam	----	14905670	14905670	----	7532627	7532627
f) Student Welfare expenses	----	----	0	----	----	0
g) Admission expenses	----	----	0	----	----	0
h) Convocation expenses	----	----	0	----	----	0
i) Publications	1106118	----	1106118	----	----	0
j) Stipend/means-cum-merit scholarship	90753660	----	90753660	----	----	0
k) Subscription Expenses	540771	----	540771	----	----	0
l) Others (specify)	----	----	0	----	----	0
TOTAL	114013536	310887832	424901368		317843213	317843213

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

Amount in Rs.						
SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
A Infrastructure						
a) Electricity and Power	----	293299907	293299907	----	266063512	266063512
b) Water charges	(3327)	53490549	53487222	----	61101207	61101207
c) Insurance	----	----	0	----	----	0
d) Rent, Rates and Taxes (including property tax)	----	346346900	346346900	----	554622754	554622754
B) Communication	----	----	0	----	----	0
e) Postage and Telephone	13110	9131210	9144320	----	9606756	9606756
f) Telephone, Fax and Internet Charges	----	----	0	----	----	0
g) Connectivity Expenses		30242959	30242959	----	15843191	15843191
C) Others	----	----	0	----	----	0
h) Printing and Stationery (consumption)	4643565	30058626	34702191	----	47945688	47945688
i) Travelling and Conveyance Expenses	42781527	13266777	56048304	----	28597669	28597669
j) Hospitality	----	----	0	----	----	0
k) Auditors Remuneration	----	426595	426595	----	579860	579860
l) Legal & Professional Charges	2247	9828101	9830348	----	8962702	8962702
m) Advertisement and Publicity	47210	5272995	5320205	----	8422191	8422191
n) Magazines & Journals	8950210	73271669	82221879	----	55214637	55214637
o) Watch & Ward Expenses	----	57473959	57473959	----	52010841	52010841
p) House Keeping Expenses	----	25239503	25239503	----	36483278	36483278
q) Games & Sports	----	8922247	8922247	----	7707466	7707466
r) Medical Expenses	----	58717741	58717741	----	52327044	52327044
s) Others/Contingency	33293159	28917813	62210972	----	30362838	30362838
TOTAL	89727701	1043907551	1133635252		1235851634	1235851634

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE - 18 TRANSPORTATION EXPENSES	Amount in Rs.					
	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by institution)	----	----	0	----	----	0
a) Running expenses	----	----	0	----	----	0
b) Repairs & maintenance	----	----	0	----	----	0
c) Insurance expenses	----	----	0	----	----	0
2 Vehicles taken on rent/lease	----	----	0	----	----	0
a) Rent/lease expenses	----	----	0	----	----	0
3 Vehicle (Taxi) hiring expenses	3297500	1851919	5149419		5269188	5269188
Total	3297500	1851919	5149419	0	5269188	5269188

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

Amount in Rs.

SCHEDULE - 19 REPAIRS & MAINTENANCE	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Buildings	5138873	139033133	144172006	----	127067520	127067520
b) Furniture & Fixtures	285183	9002254	9287437	----	2328548	2328548
c) Plant & Machinery	----	10600045	10600045	----	14400810	14400810
d) Office Equipment	2948522	----	2948522	----	----	0
e) Computers	1737668	----	1737668	----	----	0
f) Laboratory & Scientific equipment	----	202130	202130	----	272948	272948
g) Audio Visual equipment	----	----	0	----	----	0
h) Cleaning Material & Services	----	----	0	----	----	0
i) Book binding charges	----	----	0	----	----	0
j) Gardening	----	5112409	5112409	----	4784321	4784321
k) Estate Maintenance	----	----	0	----	----	0
l) Vehicle	----	1897540	1897540	----	1938015	1938015
m) Others (Specify)	----	----	0	----	----	0
Total	10110246	165847511	175957757	0	150792162	150792162

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

		Amount in Rs.					
SCHEDULE - 20 FINANCE COSTS		Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Bank charges	190016	228799	418815	-----	239908	239908
b)	Others (specify)	-----	-----	-----	-----	-----	-----
Total		190016	228799	418815		239908	239908

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

SCHEDULE - 21 Expenditure on Grants, Subsidies etc.	Amount in Rs.					
	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Provision for Bad and Doubtful Debts/Advances	-----	-----	-----	-----	-----	-----
b) Irrecoverable Balances Written- off	-----	-----	-----	-----	-----	-----
c) Grants/Subsidies to other institutions/organizations	131419002	106980351	238399353	-----	94724348	94724348
d) Others (specify)	-----	-----	-----	-----	-----	-----
Total	131419002	106980351	238399353	-----	94724348	94724348

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2015

**SCHEDULE 22: PRIOR PERIOD
EXPENSES**

Amount in Rs.

Particulars	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Establishment expenses	----	----	----	----	----	----
2 Academic expenses	----	----	----	----	----	----
3 Administrative expenses	----	----	----	----	----	----
4 Transportation expenses	----	----	----	----	----	----
5 Repairs & Maintenance	----	----	----	----	----	----
6 Other expenses	----	----	----	----	----	----
Total	----	----	----	----	----	----

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH 2015

Schedule 23: Significant Accounting Policies

1 Basis for Preparation of accounts :

- a. The financial statements are prepared on the basis of historical cost convention and generally on the accrual method of accounting unless otherwise stated.

2 Revenue Recognition :

- a. Fee from students, Sale of admission forms, Royalty, tuition fees for each semester and Interest on Saving Bank accounts are accounted for on cash basis.
- b. Income from Land, Buildings and other Property are accounted for on cash basis and Interest on investments is accounted for on accrual basis.
- c. Interest bearing advances to staff for House Building, Purchase of Vehicles and Computers is accounted on accrual basis every year, though the actual recovery of interest starts after the full repayment of the principal.

3 Fixed Assets and Depreciation :

- a. Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning less depreciation. Fixed assets received by the University without any consideration has been capitalized in the financial statement at a nominal value i.e. `One per asset.
 - 3.1 Gifted / donated assets are valued at a nominal value i.e. `Rs. 1/- (One) per asset. They are set up by credit to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets.
 - 3.2 Books received as gift are valued at a nominal value i.e. `Rs. 1/- (One) per asset.
 - 3.3 Fixed assets are valued at cost less accumulated depreciation, Depreciation on fixed assets is provided on written down value method as specified in the Guidance Note issued by the Institute of Chartered Accountants of India, at the following rates :

Tangible Assets :

Sr. No.	Type of Assets	Rate
1	Land	0%
2	Building	5%
3	Furniture & Fixture	25%
4	Scientific Equipment	40%
5	Computer including Printers, UPS etc.	40%
6	Library Books	50%
7	Buses, Vans etc.	30%
8	Cars, Scooters	25%
9	Plant & Machinery including Air-conditioners, Generators, Fire Extinguishers, Telephone, Television sets, Photo copiers, Fax Machines, Water Coolers, Projectors etc.	20%
10	Musical Instruments	50%
11	Sports Equipment	50%

Intangible Assets (amortization) :

1	Computer Software	40%
2	Patents	25%

3.4 In respect of additions to fixed assets during the year, depreciation is provided for full year. In respect of sale/deductions from the fixed assets, no depreciation is charged.

3.5 Assets created out of Earmarked Funds and Funds of Sponsored Projects, the ownership of such assets vest in the Institution, are set-up by credit to Capital Fund and merged with the Fixed Assets of the institution. Depreciation is charged at the rates applicable to respective assets. Assets created out of sponsored project funds, where the ownership is retained by the sponsors but held and used by the institution are separately disclosed in notes to accounts, if any.

3.6 Assets, the individual value of each of which is Rs. 2000/- or less (except Library books) are treated as revenue expenditure. However physical accounting and controls are continued by the holders of such assets.

4 Intangible Assets:

Patents and copy rights and computer software are grouped under intangible Assets.

4.1 **Patents:** The expenditure incurred from time to time (application fees, legal expenses etc.) for obtaining Patent is temporarily capitalized and shown as part of Intangible assets in the Balance Sheet. If applications for Patents are rejected, the cumulative expenditure incurred on the particular Patent is written off to the Income & Expenditure in the year of application is rejected. Further there is no amount incurred during the financial year on Patent. The rate of depreciation is provided @ 25% on written down value method.

4.2 Electronic Journals: The amount spent on E- Journals are treated as revenue expenditure in the year the amount is incurred.

4.3 Expenditure on acquisition of software has been separated from computer and peripherals. Since, the rate of obsolescence in respect of these is very high, the rate of depreciation is provided @ 40% on written down value method w.e.f. *1st April, 2014*.

5 Stocks:

Expenditure on purchase of stores and spares, Loose Tools, Building Material, Electrical Material, Laboratory chemicals, consumables, glassware, publications, stationery and water supply material is accounted for as revenue expenditure in the year of purchase.

6 Retirement Benefits :

Retirement benefits i.e., pension, gratuity and leave encashment are accounted for on cash basis as University's pension liability like that of the Government is not funded but follows the "Pay as you go" system of meeting the annual expenditure out of the annual revenue budget. Capitalized value of pension and gratuity received from previous employers of those University employees, who have been absorbed in the University, is credited to the other income of the University.

7 Investments :

All Investments are stated at cost.

8 Earmarked/ Endowment Funds :

The Earmarked Fund consisting of Corpus Fund, Other funds, Housing Building Funds, Conveyance Fund (including computer advances) are long term funds and earmarked for specific purposes. Each of the Funds has a separate bank account. Those with large balances also have investment in government securities, debentures and bonds and term deposit with Banks. The income from investment/ advances (house building, conveyance and computer) on accrued basis and interest on saving bank accounts are credited to the respective fund on cash basis. The expenditure and advances (in the case of housing building conveyance/computers) are debited to the respective funds. The assets created out of earmarked fund where the ownership vests in the institutions, are merged with the assets of the institutions by crediting an equal amount to Capital Fund. The balance in respective funds is carried forward and is represented on the assets side by the balance at bank, Investment and accrued interest.

8.1 The income and expenditure of Earmarked/Endowment funds are accounted for on cash basis. The balance of respective funds is carried forward on the liability side of the Balance Sheet and is represented by bank balance, advances, Fixed Deposit and investment on the asset side of the Balance Sheet.

8.2 Assets purchased/created out of Earmarked Funds where the ownership of the assets vests in the University, are merged with the fixed assets of the University by debiting respective fixed asset account and crediting Capital Fund account. Depreciation is charged at the rates applicable to the respective assets.

8.3 Endowment Funds: Endowment Funds are received from various individual donors, Trust and other Organization, for establishing Chairs and for Medals & Prizes, as specified by the donors.

The Income from investment of each Endowment Fund is added to the Fund. The expenditure on Medals & Prizes is met from the interest earned on investment of the respective Endowment Funds and the balance is carried forward. In respect of chairs, however, the Corpus of Endowment is also used.

The balances are represented by Investment in RBI Bonds and Fixed Deposits and balance in Saving Bank Account common for all Endowments, and Accrued Interest on Investments.

9 Government and UGC Grants :

9.1 Government Grant and UGC grants are accounted for on receipt basis. However, where a sanction for release of grant pertaining to financial year received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount shown as recoverable from grantor.

9.2 To the extent utilized towards capital expenditure (on accrual basis) government grant and grant form UGC are transferred to the capital fund.

9.3 Government and UGC grants for meeting Revenue Expenditure (on accrual basis) are treated to the extent utilized as income of the year in which they are realized.

9.4 Unutilized Grant (including advances paid out of such grants) are carried forward and exhibited as a liability in the Balance Sheet

10 Investments of Earmarked Fund and Interest Income Accrued on such Investments :

To the extent not immediately required for expenditure the amounts available against such funds are invested in approved Securities and Bonds or deposited for fixed term with Banks, leaving the balance in Saving Bank Account.

Interest received, interest accrued and due and interest accrued but not due on such investment are added to the respective funds and not treated as income of the Institution.

11 Sponsored Projects :

11.1 In respect of ongoing sponsored projects the amount received from sponsors are credited to the head Current liabilities and provisions- current liabilities – Other Liabilities – receipt against ongoing sponsored projects. “As and when expenditure incurred/ advances are paid against such project, or the concerned project account is debited with allocated overhead charges, the liability account is debited.

11.2 In addition to the earmarked funds for junior research fellowship funded by the UGC fellowship and scholarship are also sponsored by various organizations. These are accounted in the same way as Sponsored Project except that the expenditure generally is only on distribution of fellowship and Scholarship which may include allowances for contingent expenditure by fellow and scholars.

11.3 The Institutions itself also awards fellowships and Scholarships, which are accounted on Academic expenses.

11.4 Assets purchased out of Project funded by outside agencies remain the property of the concerned funding agency till the project is closed. After closure of the project, the project assets are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

12 Income Tax :

The Income of the institution is exempt from Income Tax under section 10(23) (c) of the Income Tax Act. No provision for tax is therefore made in the accounts.

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2015

Schedule 24: Contingent Liabilities and Notes on Accounts

1 Contingent Liabilities :

Various claims filed by present/former employees of the University are pending before Industrial Tribunals and the High Court of Delhi. The quantum of claim is not ascertainable.

2 Capital Commitments (Capital Works In Progress)

Capital Works in Progress includes the amount paid by University till 31st March 2015 towards construction of the following Projects

I. Construction of stadium for Common Wealth Games	Rs. 306,18,50,653
II. Construction of 1500 seated Rajiv Gandhi Girls Hostel for under graduate and Post graduate students at Dhaka North Campus	Rs. 74,72,81,869
III. Construction of 70 'D' type flats at Dhaka	Rs. 8,38,20,926
IV. Other Projects From Earmarked/ Endowment Fund	Rs. 12,28,72,429

3 Fixed Assets :

3.1 Addition in the year to Fixed Assets in Schedule 4 include assets purchased out of plan funds Rs.13,31,93,972/- Non plan Funds Rs. 11,46,07,103/- and Earmarked/Endowment Fund Rs.1,65,61,008/- sponsored projects closed 1,11,95,469/- and Library Books and other assets of the value of Rs 629/- (at nominal value of Rs. 1/- per assets) gifted to the institutions. The assets have been set up by credit to Capital Fund.

3.2 In the Balance sheet as on 31st March, 2014 and the Balance Sheets of earlier years Fixed Assets created out of Plan Fund and Fixed Assets created out of non-plan funds were not exhibited distinctly. Further the addition during the year from 31st March 2015 from plan, non-plan funds, and other funds, and the depreciation on those additions respectively has been exhibited distinctly in sub schedule A B & D to the main schedule of the Fixed Assets (Schedule 4)

3.3 Fixed Assets set out in Schedule 4 do not include Assets purchased out of funds of sponsored Project, held & used by the Institutions, as Project contracts includes stipulations that all such Assets purchased out of Project funds will remain the property of Sponsors.

4 Patents :

An Accounting Policy in respect of Expenditure on Patents was evolved for the first time during the financial year 2013-14.

5 Deposit Liabilities :

There is no amount of earnest money deposit & security deposit which has been transferred to Revenue Account

6 Expenditure in Foreign currency :

Transaction denominated in Foreign Currency at the exchange rate prevailing at the date of payment/realization.

7 Current Assets, Loans & Advances and Deposits :

6.1 In the opinion of the management, the Current Assets, Loans and Advances have a value on realization in the ordinary course, equal at least to the aggregate amounts shown in the Balance Sheet.

6.2 The Loans & Advances shown in the asset side of the Balance Sheet does not include, advances pertaining to period up to 31st March 2006, are still outstanding for final statement. These advances were charged to the respective head of account at the time of release of advance.

8 Bank Balances :

The Details of Balances in Saving Bank Accounts, Currents Accounts, & Fixed Deposit Accounts with Banks are enclosed as attachment “A” to the schedule of current assets.

9 Previous year figures have been regrouped /rearranged where ever necessary.

10 Figures in the final accounts have been rounded off to the nearest rupee.

11 Schedule 1 to 24 are annexed to & form an integral part of the Balance Sheet as on 31st March 2015 and The Income & Expenditure Account for the year ended 31st Mar 2015

12 Provident Fund Accounts:

As the Provident Fund Accounts including New Pension Scheme Fund are owned by the members of those funds and not by the University, these accounts were separated from the University Accounts. However, a consolidated Receipts & Payments Account, consolidated Income & Expenditure Account and a consolidated Balance Sheet of the Provident Fund Accounts have been attached to the University’s Account.

13 Salaries:

The expenditure on salary is for the period from March 2014 to February 2015. No provision is made towards salary for the month of March 2015.

14 Halls & Hostel:

As Hall & Hostels are separate reporting entities, their accounts are prepared separately from the University Accounts. However, a consolidated Receipts & Payments Account consolidated Income & Expenditure Account and a consolidated Balance Sheet of all the Halls & Hostels and Guest Houses have been attached to the University's Account.

15 Delhi University Press:

As University Press is a separate reporting entity, its accounts are prepared separately and attached to the University's Account.

16 *The Change of Accounting Policy During the financial year 2014-15:*

During the financial year 2014-15, the presentation of Plan Grant, Sponsored Project, Sponsored Fellowship & scholarship has been changed according to the new system of accounting and Financial Reporting as per the revised format of accounts.

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2015

				Amount in Rs.	
RECEIPTS		Current Year	Previous Year	PAYMENTS	
		Current Year	Previous Year	Current Year	Previous Year
I.	Opening Balances			I.	Expenses
a)	Cash Balances	---	---	a)	Establishment Expenses
b)	Bank Balances			b)	Academic Expenses
	i. In Current Accounts	176227475	119944136	c)	Administrative Expenses
	ii. In Saving Accounts	3196004183	2132233167	d)	Transportation Expenses
	iii. In Deposit Accounts	6828824844	6071706401	e)	Repairs & Maintenance
				f)	Finance costs
II.	Grants Received			g)	Expenditure on Grant
a)	From Government of India	---	---	h)	Prior Period Items
b)	From State Government	---	---		
c)	From UGC			II.	Payments against Earmarked/ Endowment Funds
	i) Grant for Capital Expenditure-Non Plan	114607103	---		
	ii) Grant for Revenue Expenditure-Non Plan	4465148897	4377386000	III.	Payments against Sponsored Projects/Schemes
	Less: Advance Grant received	<u>(643917000)</u>	643917000		
d)	From other sources (details)	3935839000		IV.	Payments against Sponsored Fellowships/Scholarships
	(Grants for capital & revenue exp./ to be shown separately if available)				
III.	Academic Receipts			V.	Payments against Plan Accounts
a)	Fees and Subscriptions	937672248	935019782		
b)	Sale of Publications	18304337	29223462	VI.	Investments and Deposits made
IV.	Receipts against Earmarked/Endowment Funds	714286652	5334100612	a)	Out of Earmarked/Endowment Funds
				b)	Out of own funds (Investments - Others)
V.	Receipts against Sponsored Projects/Schemes	736849745	---	VII.	Term Deposits with Scheduled Banks
VI.	Receipts against Plan	96915333	---		
VII.	Receipts against Sponsored Fellowships and Scholarships	275930178	---	VIII	Expenditure on Fixed Assets and Capital Work - In - Progress
				a)	Fixed Assets
				b)	Capital Works - In - Progress
				IX.	Other Payments including statutory payments
					Other body transaction

VIII	Income on Investments from								
.									
a)	Earmarked/Endowment Funds	292880808	----						
b)	Plan Accounts	165630007	----						
c)	Sponsored Projects	64805331	----						
d)	Sponsored Fellowship & Scholarship	6309472		47925085					
IX.	Interest received on								
a)	Bank Deposits	40109065	----						
b)	Loans and Advances	----	----						
c)	Savings Bank Accounts	----	----						
X.	Investments encashed	----	----						
XI.	Term Deposits with Scheduled								
	Banks encashed	----	----						
XII.	Other Income (including Prior Period								
	Items)	92832495	----						
XIII	Deposits and Advances								
.									
a)	Festival Advance	6793714		4272005					
b)	LTC Advance	8751812		----					
c)	Medical Advance	803200		----					
XIV.	Miscellaneous Receipts including								
	Statutory Receipts	95828996		44377417					
XV.	Any Other Receipts	1941977		100405848					
TOTAL		17693540873		19840510916		TOTAL		17693540873	19840510916

**PROVIDENT FUND ACCOUNT
CONSOLIDATED BALANCE SHEET AS AT 31ST MARCH 2015**

<u>LIABILITIES</u>	Current Year	Amount in Rs. Previous Year
Subscribers Account		
-- General Provident Fund	3065289213	2858624363
-- Contributory Provident Fund	682905444	683177783
-- New Pension Scheme	365981	365981
Interest Reserve Account	265911245	237351827
-- General Provident Fund & Contributory Provident Fund	264038758	
-- New Pension Scheme	1872487	
Other Liabilities	----	----
TOTAL	4014471883	3779519954
 <u>ASSETS</u>		
Investments (Bonds)	1138345000	1138345000
Interest Accrued but not due	280052747	323459893
Bank Balances with Scheduled banks in :		
-- Saving Accounts	52385136	72926561
-- Deposit Accounts	2543689000	2244788500
TOTAL	4014471883	3779519954

PROVIDENT FUND ACCOUNT
CONSOLIDATED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015

	Amount in Rs.	
(A) <u>INCOME</u>	Current Year	Previous Year
Interest realised during the year	374081860	
Add: Interest Accrued	<u>147116243</u>	
	521198103	
Less : Interest Accrued for the year 2009-10, 2010-11, 2011-12, 2012-13 & 2013-14 but realized during the year 2014-15	<u>-190523389</u>	330674714
Adjustment relating to previous years	6602	32762
TOTAL (a)	330681316	321137234
 (B) <u>EXPENDITURE</u>		
Interest allowed to Subscribers		284564506
-- General Provident Fund	246612974	
-- Contributory Provident Fund	55504241	
-- New Pension Scheme	----	
Bank Charges		2616
TOTAL (B)	302121898	284567122
Balance being excess of Income over expenditure, transferred to interest Reserve Account (A-B)	28559418	36570112

PROVIDENT FUND ACCOUNT
CONSOLIDATED RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2015

Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
To Opening Balance in :			By Loan/Withdrawal/Final Payments to		
- Saving Accounts	72926561	64777846	-- GPF Subscribers	511765232	472879669
To Fixed Deposit encashed	1673988500	1019870000	-- CPF Subscribers	117421571	111832389
To interest Received	374081860	281511289	-- NPS Subscribers	19174	15503
To GPF Subscription	471823710	451173697	By amount trfd. To Trustee Bank-Bank of India	63145932	49032992
To CPF Subscription & Contribution	61644991	65394685	By Bank Charges	4683	2616
To NPS Subscription & Contribution	63145932	48950713	By other Liabilities	-	-
To Other Receipts	19174	-	By investment in Fixed Deposit/Bonds	1972889000	1224988500
			By closing Balance in :		
			- Saving Accounts	52385136	72926561
Total	2717630728	1931678230	Total	2717630728	1931678230

UNIVERSITY PRESS
BALANCE SHEET AS AT 31ST MARCH, 2015

FUNDS & LIABILITIES	CURRENT YEAR	PREVIOUS YEAR
	Amount in Rs.	
1. <u>Capital Fund</u>	4046372	588371
2. <u>Current Liabilities :</u>		
(a) Deduction from Salary Bills	942058	898010
(b) Bills Payable	3565340	1124322
(c) Advance for work to be done	130000	130000
(d) Inter Bank Transfer	17395492	17395492
(e) Loan from UDF	10000000	----
(f) Earnest Money	50500	55500
Total	36129762	20191695
	ASSETS	
	CURRENT YEAR	PREVIOUS YEAR
1. Machinery, Furniture & Equipment	392307	487837
2. Amount Receivable	25708119	16144670
3. <u>Stock in Hand :</u>		
(a) Raw Material	811364	1153289
(b) Finished Goods	25405	81535
4. Work in Progress	1277000	799000
5. Cash in Bank	7730739	1364664
6. Festival Advance	4400	1700
7. Permanent Assets	1000	1000
8. Advances	179428	158000
TOTAL	36129762	20191695

UNIVERSITY PRESS
PROFIT & LOSS ACCOUNT FOR THE YEAR 2014-15

Particulars	Amount in Rs.				
	Current Year	Previous Year	Particulars	Current Year	Previous Year
1. To <u>Opening Stock</u>			1. By <u>Income</u>		
(a) Raw Materials	1153289	823887	(a) Income from Printing and Binding	27677584	20849374
(b) Finished Goods	81535	91335			
2. To work in progress	799000	55950	2. By Closing Stock :		
3. To <u>Pay and Allowances</u>	7839317	7207270	(a) Raw Materials	811364	1153289
(a) L.T.C	192581	71420	(b) Finished Goods	25405	81535
(b) Tuition Fees	39750	37500			
(c) Bonus	51810	55264	3. <u>By Work in progress</u>	1277000	799000
(d) Medical Reimbursement	544506	1190244			
4. To purchase of Raw Material	7339525	6975501	4. <u>By Interest</u>	---	1425
5. To. Misc. Contingent Exp.	58652	71453			
6. To Rate, Rent and Taxes	10019	6215	5. <u>By Other Receipts</u>	---	7495
7. To work done through Outside Agency	8112608	7667606	6. <u>By Loss for this year</u>	---	1502917
8. Depreciation					
(a) Machinery, Furniture & Equipment	110760	141390			
9. Profit	3458001	---			
TOTAL	29791353	24395035	TOTAL	29791353	24395035

DELHI UNIVERSITY PRESS A/C NO. 10851-295354
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 2015

				Amount in Rs.	
Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
I. <u>Opening Balance</u>			I. <u>Expenses</u>		
Bank Balance	1364664	3678001	Establishment Expenses	8423573	8435014
Deposits in Bank	---	500000			
II. <u>Receipts from Printing & Binding work</u>	18114135	20459287	II. <u>Other Administrative Expenses</u>		
			Expenditure	13360835	14912570
III. <u>Deductions/Recoveries</u>	3932733	3841736	Festival Advance	18000	12000
Festival Advance	15300	12000	Remittance	3888685	3782374
Loan Received UDF	10000000	-----	Earnest Money	5000	-----
Other receipts	---	7495	III. <u>Closing Balance</u>		
Interest on FDR's	---	8103	Bank Balance	7730739	1364664
Total	33426832	28506622	Total	33426832	28506622

HALLS AND HOSTELS
BALANCE SHEET AS AT 31ST MARCH, 2015

	Amount in Rs.	
Capital Fund and Liabilities	Current Year	Previous Year
Capital Fund and Liabilities	187151346	158602364
Earmarked/Endowment Funds	37963396	32592782
Current Liabilities and Provisions	8843540	9335679
Total	233958282	200530825
<u>Assets</u>		
Fixed Assets	25214572	26841746
Investments from Earmarked/Endowment Funds	18000	18000
Investments-Others	91136815	52986584
Current Assets, Loans, Advances etc.	117643118	120738719
Miscellaneous Expenditure	(54224)	(54224)
Total	233958282	200530825

HALLS AND HOSTELS
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015

Particulars	Current Year	Amount in Rs. Previous Year
(A) INCOME		
Grants/Subsidies	106253779	94714348
Fees/Subscriptions	59639258	53948816
Income from Sales/Services	19356007	18888402
Interest Earned	10914560	7790405
Other Income	11550643	10077679
Total (A)	207714247	185419650
(B) EXPENDITURE		
Establishment Expenses	103873718	94270250
Other Administrative Expenses	69508390	56180354
Bank Charges	9319	9557
Depreciation	7032257	7153754
Total (B)	180423684	157613915
Excess of Income over Expenditure/(Expenditure over Income) (A-B)	27290563	27805735
Being Balance Surplus/(Deficit) carried to Capital Fund	27290563	27805735

HALLS AND HOSTELS
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2015

Amount in Rs.

Receipts	Current Year	Previous Year	Payments	Current Year	Previous year
I. Opening Balance			I. Expenses		
- Cash in Hand	279767	295594	(a) Establishment Expenses	104053419	93418336
- Bank Balance	78836786	73450490	(b) Administrative Expenses	71640712	59647059
- Imprest	2879773	42966	II. (a) Payments against Earmarked Fund	4609865	4735239
- Deposit Account	42075463	21217436	(b) Payment against Projects	951642	564597
II. Other Bank Balances	26731023	4867080	III. Investments and Deposits made	5210325	20487991
III. Grants Received	107013012	93862997	IV. Expenditure on Fixed Assets & Capital work-in-Progress	4894932	7254834
IV. Income on Investments	4340945	16150007	V. Finance Charges	6461	6523
V. Interest Received	3765836	4388449	VI. Other Payments	18873467	16107998
VI. Other Income	91754840	79763674	VII. Closing Balances		
VII. Any Other Receipts	29908744	32358673	- Cash in Hand	278911	279767
			- Bank Balance	62190809	78939786
			- Imprest	777720	68113
			- Deposit Account	114097925	44887123
Total	387586189	326397366	Total	387586189	326397366



University of Delhi

92nd

Annual Report

PART - I

2014-2015